Soundcraft Ui series

User Guide v1.0

For Soundcraft Ui24R

МУЗЦЕНТР
МУЗЫКАЛЬНОЕ ОБОРУДОВАНИЕ
https://muzcentre.ru/

Soundcraft
by HARMAN

INFORMATION

IMPORTANT
Please read this manual carefully before using your mixer for the first time.

This equipment complies with the EMC directive 2004/30/EU and LVD 2014/35/EU
This product is approved to safety standards:
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
And EMC standards
EN55032:2012+AC:2013
EN55103-2:2009
EN61000-3-3: 2013
EN61000-3-2: 2014

Warning: Any modification or changes made to this device, unless explicitly approved by Harman, will invalidate the authorisation of this device. Operation of an unauthorised device is prohibited under Section 302 of the Communications act of 1934, as amended, and Subpart 1 of Part 2 of Chapter 47 of the Code of Federal Regulations.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna
* Increase the separation between the equipment and the receiver
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio/TV technician for help.

For further details contact:
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Parts of the design of this product may be protected by worldwide patents.
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For clarity, this manual uses section references rather than page numbers. In some instances, one section reference may extend to several pages.

INTRODUCTION TO Ui

The Ui Series mixers feature cross-platform compatibility with iOS, Android, Windows, Mac OS, and Linux devices, and can use up to 10 control devices simultaneously. In addition, the Ui24R features built-in HARMAN signal processing from dbx, DigiTech and Lexicon, including dbx AFS^2, DigiTech Amp Modeling, and more. The Ui24R features fully recallable and remote-controlled mic pre-amps and phantom power designed by Studer.

MAIN FEATURES

- Tablet/PC/Smartphone Controlled Digital Mixer
- Integrated Dual Antenna 2.4G and 5G Wi-Fi and LAN connection
- Cross-platform compatibility with iOS, Android, Windows, Mac OS, and Linux devices
- Use up to 10 control devices (tablets, phones, PCs) simultaneously
- Legendary Harman Signal Processing from dbx®, Digitech®, and Lexicon®
- Fully recallable and remote-controlled mic preamps
- 4-band Parametric EQ, High-Pass Filte, Low-Pass Filerr, Compressor, De-esser and Noise Gate on input channels
- 31-band Graphic EQ, Noise Gate and Compressor on all outputs (Master L/R and AUX 1/2 feature LPF ancd HPF filters)
- Real-Time Frequency Analyser (RTA) on inputs and outputs
- 4 dedicated Lexicon® FX effects processors: Reverbs, Delays, Chorus
- 4 x Subgroups, 6 x VCA's, Mute Groups, View Groups, and MOREME mixer controls
- Show/Snapshot recall with channel safes and security lockout
- 2-channel USB audio playback and recording and 22 multi-track USB recording
- 32 x 32 USB Audio Interface
- Intergrated switch mode IEC connection power supply

The Ui24R boasts 22 mic/line inputs, 10 x XLR combo mic/line inputs, 10 x XLR mic inputs, two channels of Hi-Z/instrument inputs, as well as a stereo RCA line input. A 2-channel USB media player is included, along with eight balanced XLR Aux/Matrix outputs, two quarter-inch headphone outputs with level control, plus balanced stereo XLR and quarter-inch main outputs. Two-channel USB audio playback is compatible with MP3, WAV and AIFF formats. It also includes a 22 multi-track recorder/player, 32 x 32 low latency audio interface and direct HDMI display connection output.

SAFETY NOTICES

For your own safety and to avoid invalidation of the warranty please read this section carefully.

Important Symbols

Cautions
Alerts the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Warnings
Alerts the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The internal power supply unit contains no user serviceable parts. Refer all servicing to a qualified service engineer, through the appropriate Soundcraft dealer.

Radio frequency exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. No modifications Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The minimum distance required away from the Ui24R mixer and or any antenna is 20cm.

Canada Statement
This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage;
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This End equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

WARNINGS

• **Read** these instructions.
• **Keep** these instructions.
• **Heed** all warnings.
• **Follow** all instructions.
• **Clean** the apparatus only with a dry cloth.
• **Do not** install near any heat sources such as radiators, heat resistors, stoves, or other apparatus (including amplifiers) that produce heat.
• **Do not** block any ventilation openings. Install in accordance with the manufacturer's instructions.
• **Do not** use this apparatus near water.
• **Do not** defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
• **Protect** the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
• **Only** use attachments/accessories specified by the manufacturer.
• **Unplug** this apparatus during lightning storms or when unused for long periods of time.
• **Refer** all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
• **Use** only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When the cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
• **No** naked flame sources, such as lighted candles or cigarettes etc., should be placed on the apparatus.
• **No user serviceable parts**. Refer all servicing to a qualified service engineer, through the appropriate Soundcraft dealer.
• **The socket-outlet** shall be installed near the equipment and shall be easily accessible.

• It is recommended that all maintenance and service on the product should be carried out by Soundcraft or its authorised agents. Soundcraft cannot accept any liability whatsoever for any loss or damage caused by service, maintenance or repair by unauthorised personnel.

• WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not expose the apparatus to dripping or splashing and do not place objects filled with liquids, such as vases, on the apparatus. No naked flame sources, such as lighted candles, should be placed on the apparatus.

• Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table cloths, curtains etc or mounting in enclosures where ari cannot circulate to an appropriate level to keep the Ui24R under 40C or 104F.

WARNINGS

ADVICE FOR THOSE WHO PUSH THE BOUNDARIES

Although your new console will not output any sound until you feed it signals, it has the capability to produce sounds which, when monitored through an amplifier or headphones, can damage hearing over time.

Please take care when working with your audio — if you are manipulating controls which you don't understand (which we all do when we are learning), make sure your monitors are turned down. Remember that your ears are the most important tool of your trade, look after them, and they will look after you.

Most importantly — don't be afraid to experiment to find out how each parameter affects the sound — this will extend your creativity and help.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

NOTE: The packaging, in which your console arrived, forms part of the product and must be retained for future use.

WARRANTY

1 Soundcraft is a trading division of Harman International Industries Ltd.
End User means the person who first puts the equipment into regular operation.
Dealer means the person other than Soundcraft (if any) from whom the End User purchased the Equipment, provided such a person is authorised for this purpose by Soundcraft or its accredited Distributor.
Equipment means the equipment supplied with this manual.

2 If within the period of twelve months from the date of delivery of the Equipment to the End User it shall prove defective by reason only of faulty materials and/or workmanship to such an extent that the effectiveness and/or usability thereof is materially affected the Equipment or the defective component should be returned to the Dealer or to Soundcraft and subject to the following conditions the Dealer or Soundcraft will repair or replace the defective components. Any components replaced will become the property of Soundcraft.

3 Any Equipment or component returned will be at the risk of the End User whilst in transit (both to and from the Dealer or Soundcraft) and postage must be prepaid.

4 This warranty shall only be available if:
a) The Equipment has been properly installed in accordance with instructions contained in Soundcraft's manual.
b) The End User has notified Soundcraft or the Dealer within 14 days of the defect appearing; and
c) No persons other than authorised representatives of Soundcraft or the Dealer have effected any replacement of parts maintenance adjustments or repairs to the Equipment; and
d) The End User has used the Equipment only for such purposes as Soundcraft recommends, with only such operating supplies as meet Soundcraft's specifications and otherwise in all respects in accordance Soundcraft's recommendations.

5 Defects arising as a result of the following are not covered by this Warranty: faulty or negligent handling, chemi cal or electro-chemical or electrical influences, accidental damage, Acts of God, neglect, deficiency in electrical power, air-conditioning or humidity control.

6. The benefit of this Warranty may not be assigned by the End User.

7. End Users who are consumers should note their rights under this Warranty are in addition to and do not affect any other rights to which they may be entitled against the seller of the Equipment.

SOUNDCRAFT Ui TYPICAL SPECIFICATIONS

• Frequency Response
20Hz-20kHz +/- 0.5 dB

• THD
Mic input (Min gain to bus) @ 1kHz <0.005%
Mic input (Max gain to bus) @ 1kHz <0.008%

• Noise
Residual Noise -96dBu
Mic Input E.I.N.22Hz-22kHz unweighted:
-128dB EIN

• Input Gain
Mic/Line Gain -6dB to +58dB (Step accuracy depends on size of fader in GUI)

• Gate
Threshold -inf to +6dB
Attack 1ms to 400ms
Release 5ms to 2000ms
Hold 1ms to 2000ms
Depth -inf to 0dB

• Compressor
Threshold -90dB +6dB
Ratio 1:1 - 50:1
Attack 1ms - 400ms
Release 10ms - 2000ms
Makeup Gain -24dB - +48dB

• EQ Channel
4 band parametriq EQ
Each Band Freq 20Hz to 22kHz
Q .05 - 15
Gain -20dB to +20dB
HPF 20Hz to 1kHz (selectable slopes)
LPF 22kHz to 1kHz (selectable slopes)

• De-esser
Threshold -90dB to 6dB
Ratio infinity to 1:1
Frequency 2kHz to 15kHz

• EQ Outputs
31 band GEQ, 20Hz - 20KHz +-15dB

• Compressor outputs
Threshold -90dB +6dB
Ratio 1:1 - 50:1
Attack 1ms - 400ms
Release 10ms - 2000ms
Makeup Gain -24dB - +48dB

• dbx® AFS on all outputs
12 parametric EQ's (6 fixed, 6 floating)

• Latency
All Processing ON for inputs and outputs 3.2ms

• Input and Output Levels
Mic Input +19.5dBu max
Line input +19.5dBu max
Mix output +20.5dBu max
Headphone outputs 500mW 1 output used (@120Ω), 380mw both outputs used

• Input and Output Impedances
Mic input 1-2 4.2kΩ input 3-20 6kΩ
Line Input 12kΩ
Hi-Z Input >600kΩ
Balanced Outputs <150Ω

• USB
Max Current 500mA
Max Current available to all ports: 900mA

• Power
Consumption (typical) < 65W
AC input voltage range 88-265VAC auto sensing
AC frequency 47-63Hz

• Operating Conditions
Temperature range 5°C - 40°C
Humidity 0%-90%
Storage Temperature -20°C to 60°C

E & OE. Soundcraft reserves the right to change specifications and or images in this manual without notice.

GETTING STARTED - AN INTRODUCTION TO THIS MANUAL

Anyone with minimal audio experience should be able to operate the Soundcraft Ui Series consoles without reading too much of this manual, though we do recommend you take the time to go through it. An excellent place to start would be the feature list on the introductory page (section 1.0), the Wi-Fi and software set-up guide (3.1), and the software control guides for phone (3.2) and tablet (3.3) software.

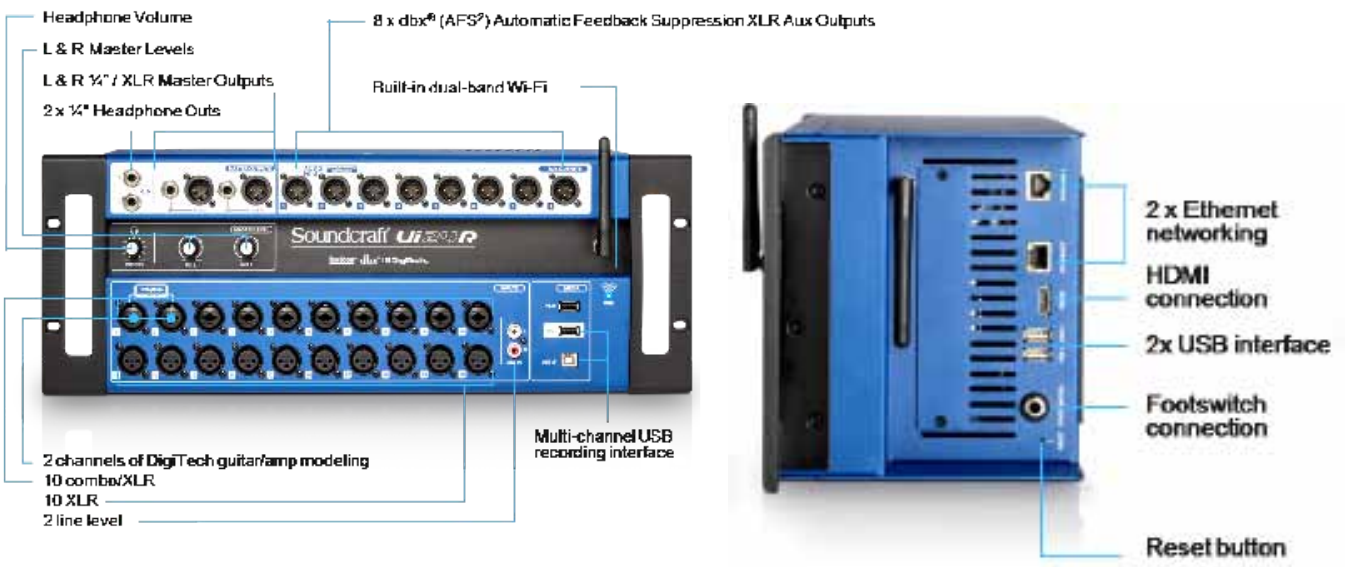
To get started with Ui control, go to the 'Getting Connected' section: 2.4

PDF
If you're reading the PDF version of the manual, you can use the thumbnail view and links from the Contents page to navigate quickly.

For clarity, this manual uses section references rather than page numbers. In some instances, one section reference may extend to several pages.

GETTING STARTED > SYSTEM OVERVIEW

This Soundcraft Ui console uses a compact main unit with built-in I/O, processing, and web server. Phones, tablets, and PCs can connect to the web server via Wi-Fi for platform-independant software control.



NOTE: When mouting the Ui24R in any kind of enclosure make sure you have sufficient space above, bellow and on bothsides of the Ui24R for passive cooling of the device. In exterme environments a fan may need to be added to your enclosure!

The Ui main unit's front panel hosts all local audio inputs and outputs plus three master level controls. On one side panel you will find the power connector and power switch; on the other you will find the RESET button, FOOTSWITCH connection, two USB ports, and the Ethernet (wired LAN) connection).

PHONES

Set level for headphones outputs

This controls the overall level of headphone output one. Individual headphone volume control can be achieved through the SETTINGS control page. The headphone source signal defaults to the main stereo signal but switches to the Solo bus when AFL or PFL is selected.

MIX L / MIX R

Set levels for MIX L and Mix R outputs

The Mix output is the Ui's main left/right stereo output and appears on both the XLR and Jack Mix L/R outputs.

COMBO INPUT

Connection for 1/4" TRS/TS Jack (Line) or XLR (Mic level)

The input number corresponds to channel number in the Ui control software.

XLR Input

Mic XLR Input

The input number corresponds to channel number in the Ui control software.

LINE IN

Line level RCA inputs

The RCA inputs feed the Line In L and Line In R channels in the UI mixer.

HEADPHONES OUT

Headphone sockets

These are not independent, meaning each output receives the same signal. The headphone outputs receive the same audio signal as the main outputs unless a channel Solo is active note the volumes can be independently controlled in the SETTINGS page as well as the SOLO level.

MIX L/R OUTPUT - XLR

Master Channel XLR outputs

The Master Channel XLR and jack outputs are parallel connections (identical).

MIX L/R OUTPUT - JACK

Master Channel Jack outputs

The Master Channel XLR and jack outputs are parallel connections (identical).

AUX/MATRIX OUTPUTS

Physical outputs for the Aux/Matrix outputs

The Ui24R has 8 x Aux/Matrix outputs. Aux/Matrix outputs are assigned in software.

2 TRK MEDIA - PLAY

USB Socket for USB Flash Drive with audio playback files

2 track Audio files must be saved to the USB stick as either MP3, AAC, .WAV, .OGG, .AIFF, or .FLAC files. See section 9.0.
This USB socket can also be used for Show File and Snaphot import/export, and software updates. There are two additional USB sockets on the side of the unit.

MEDIA - REC plus Multi-track Play and Record

USB Socket for USB Flash Drive - for multi-track play and record audio

The Soundcraft Ui24RR mixer will record the Master Channel stereo output as a stereo file or multitrack recording onto the storage device. See guide for playback and recording instructions - section 9.0.

USB B (DAW Connection)

USB Socket for connection directly to PC/Mac

The Soundcraft Ui24RR mixer can be used as a 32 x 32 USB Audio Interface with CORE Audio and ASIO drivers.

PWR

Power Connector & Switch

The Ui mixer has an AC IC connection universal power supply. Use the power switch with the reset button (other side panel) to reset the unit to factory default settings if required.

RESET

Recessed push switch used to reset the unit.

To reset Network settings ONLY, switch the unit on while holding down the reset button for at least ten seconds. For a full system reset, see section 3.0.2.

FOOTSWITCH

Footswtich connector used to toggle selected configurations.

Use a footswitch with a quarter-inch jack connection. The unit will auto-detect the connector type, though the footswitch itself must be a non-latching type. The SETTINGS page has a variety of functions that can be assigned.

Side USB Connectors 1 & 2

May be used for Connecting Keyboard, Mouse and Touchscreen

There are USB connections on the front panel of the unit for audio recording and playback.

HDMI Connector

Supports HDMI Video standard

Complete Mixer Web Interface is displayed on HDMI screen. Please note if using DVI and VGA adaptors they must be active. Performance will depend on other concurrent functions which are being used in the mixer. (eg. while recording to USB MTK stick you may see a slow down in screen update)

ETHERNET

Standard RJ45-wired connector for use with wired Ethernet.

A wired Ethernet conenction to the Ui is the most secure. See section 10.1 for more details on network settings and configurations. By default the IP address is 10.10.2.1.

Wi-Fi Indicator

Shows Wi-Fi is operating normally

The indicator also shows Wi-Fi boot status during power up. It stops its timed flash sequence when booted and available for connections. Then flashes with data activity.

If the WiFi LED keeps flashing it can mean the firmware is not loading into the DSP. Make sure latest firmware is loaded into the unit and that the DC power connector is properly screwed on.

ETHERNET 2

Future Expansion Port

Wi-Fi Antenna

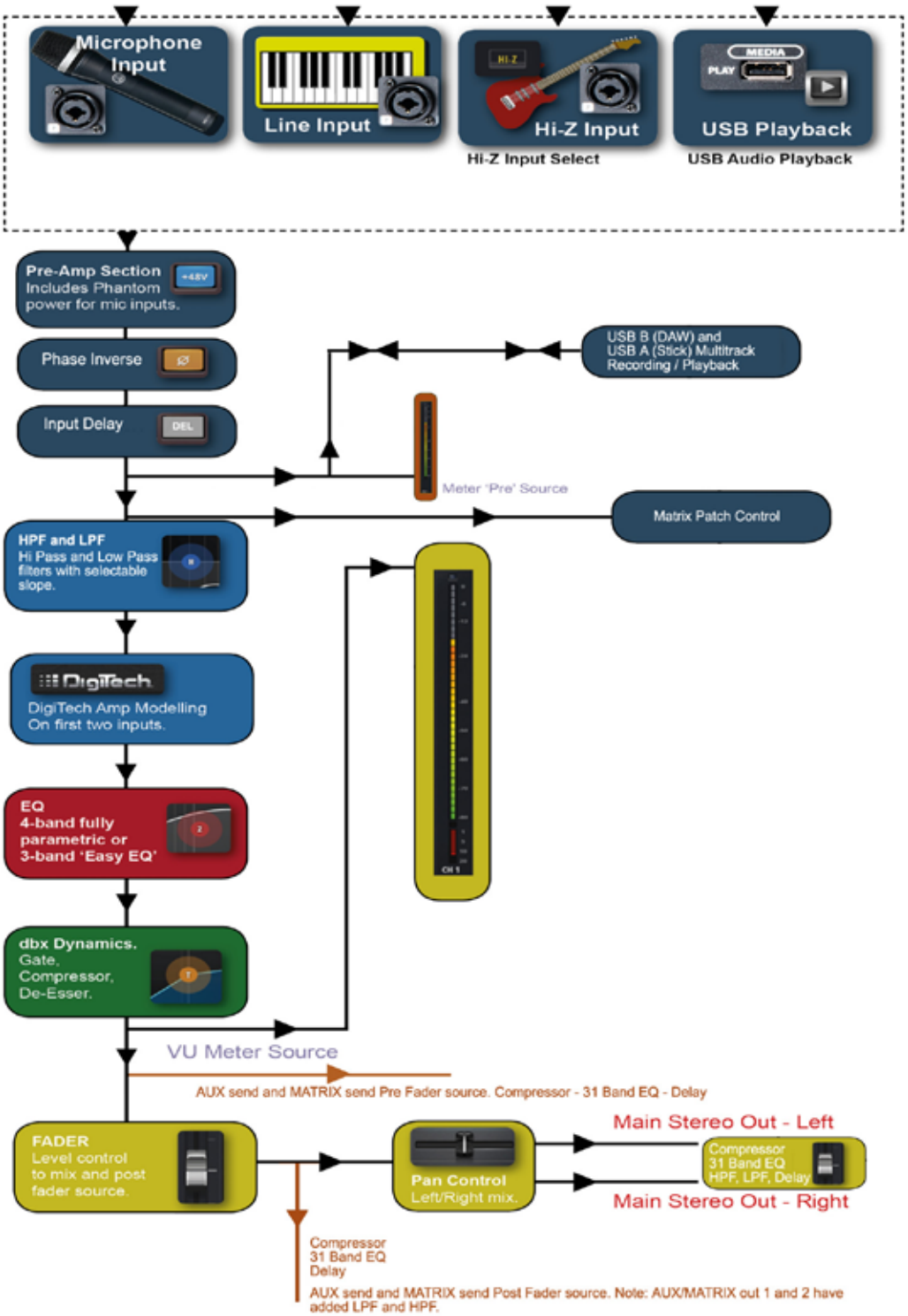
Necessary for wireless network connection - Hotspot or WiFi

Make sure the Antenna(s) are firmly screwed into their sockets and normally orientated vertically. For more information on wireless network settings, see section 10.1. The Ui24RR ships with 2 WiFi antenna's for better wifi performance. The second antenna is on the right side of the Ui24R.

GETTING STARTED > INPUT CHANNEL ROUTING

The diagram shows the audio signal path through an input channel - from physical input to bus sends (Aux, FX, Mix, and so on).

Please note: The entire signal path (except for the hardware pre and output DACs) is clip-free with infinite headroom. It means that internal clipping is not introduced even by driving the EQ/Dyn to the max. Sufficiently reducing the level on the Master Channel strip will get rid of any clipping on the output.



GETTING STARTED > GETTING CONNECTED

The Soundcraft Ui series uses built-in web server technology to enable computer, tablet, and phone-based in-browser control of all functions - simply connect to the Ui Wi-Fi access point (hotspot) and browse to the appropriate URL. Alternatively, you can connect via an existing Wi-Fi network, or via a wired LAN (Local Area Network) using the Ethernet port on the side of the unit. See Section 10.1 for details on network configuration.

Connecting To Ui Hotspot with computer, tablet, or phone.

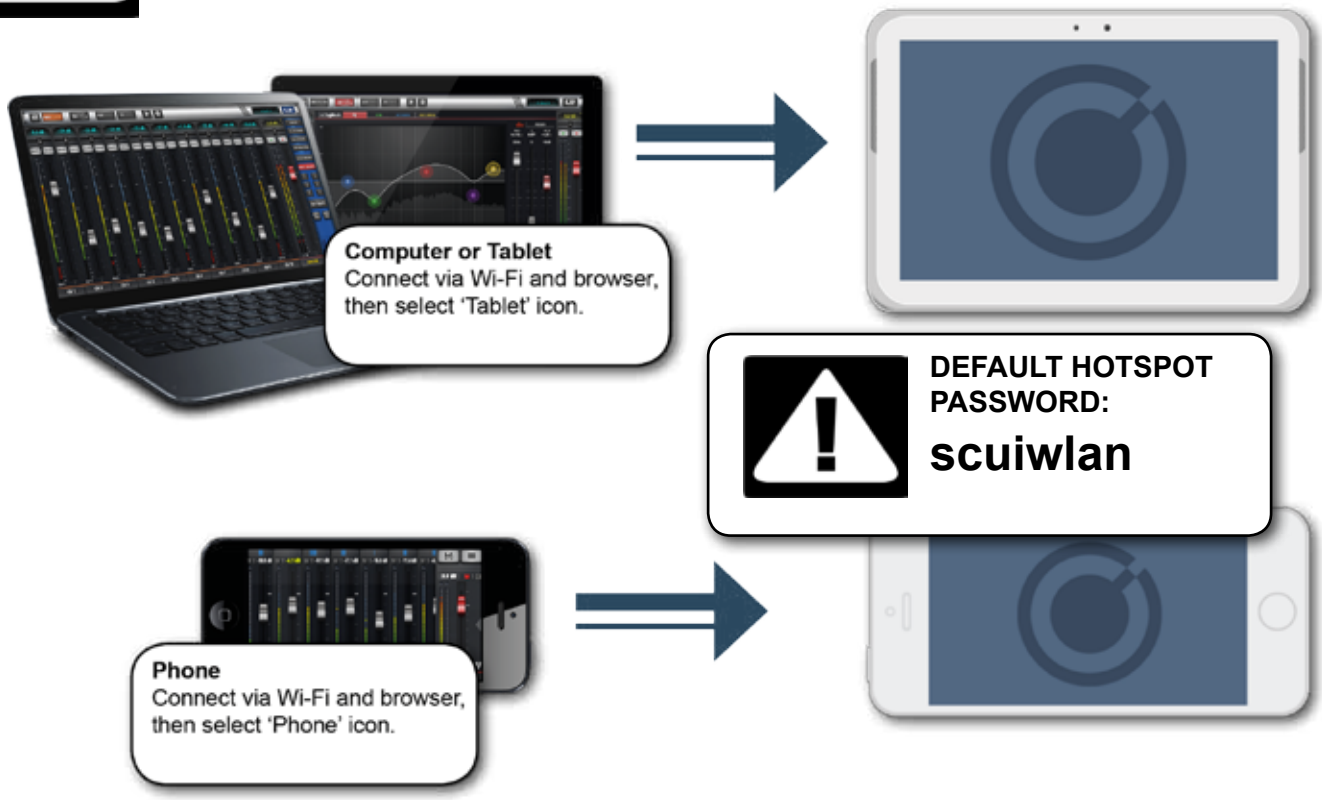
1) Ensure the Wi-Fi antenna is attached to the unit, connect the external power supply, and turn on the power to your mixer. You will see an LED light up inside the Wi-Fi logo on your Ui hardware; this will flash until booted successfully.

2) Navigate to Wi-Fi set-up on your device and connect to the “Soundcraft Ui24” access point. If this is the first time you have connected, the default password will be ‘scuiwlan’. **(by default it will not have a password, please assign one that you can remember)**

3) Launch your device’s browser, and enter the URL **ui.io**. For Android users, you must use Android browser 4.4 or later, or other modern browsers like Chrome to use the Ui web app. In some cases where certain protection software is running on a system you may need to enter the ip address 10.10.1.1

4) You should see the device selection screen showing icons for large screen (tab icon) and small screen

IMPORTANT!
The first time you connect, it is important to set up a new password for Wi-Fi access. Press the Settings icon, then choose the first tab: ‘NETWORK’ to access the password field.



SOFTWARE CONTROL

The browser-based software control for the Ui Series is available to any device in two versions. The small-screen version is optimised for phone-sized devices; the large-screen version is optimised for tablets and computers.

In order to make best use of your Ui mixer, please read this section of software control. There are several navigation and menu access functions that will greatly simplify Ui control.

SOFTWARE UPDATES & REQUIREMENTS

The browser-based software control for the Ui Series actually runs from a virtual web server in the main Ui unit itself and is compatible with any modern browser software running on your control device. For Android users, you must use Android browser 4.4 or later, or another modern browser like Chrome to use the Ui web app.

Up to 10 control devices can be used simultaneously.(Depending on available bandwidth)

Software Updates

Regular software updates are posted on the Soundcraft website and are available from the product page. In the Tablet software you can check your current Ui software version by navigating to the SETTINGS page and selecting the ABOUT tab. In the Phone software you can check your current Ui software version by navigating to the SETTINGS page and selecting the HELP tab.

To update the Ui software:

1. Download the Ui update file from the website and leave in .zip format.
2. Copy the .zip file to a USB media device suitable for connection to a Ui mixer's USB port. Note: The file can reside in any directory. Any USB port on the mixer is also acceptable.
3. Ensure your client device is connected to the Ui mixer GUI
4. Connect the USB media
5. The GUI display will display that the USB device has been mounted. After the stick has been read (maybe 10 more seconds) the update will be recognised.
6. The GUI will ask if you would like to update. Choose OK.
7. The mixer will perform the update
8. The GUI will present a message stating whether the update has been successful or not.
9. You must power-cycle the unit and reconnect a client device.
10. You can browse to the about page to see the new Firmware version information.

USB AUDIO DRIVER
The Ui24R requires the use of the Soundcraft SI Impact Audio Driver for multichannel USB playback and recording.

It can be downloaded via:
http://www.soundcraft.com/en/softwares/soundcraft-multichannel-usb-audio-driver-v3-20 or above

IMPORTANT!
Note that if you have any type of zip file (other than the update file) in any directory on the USB key already, the software update will not work. Note Mac OS by default unzips downloaded files which will render the firmware update incompatible.

SOFTWARE > RESET THE MIXER

There are two levels of reset for the Ui mixer. The first will reset network settings in the event that you are unable to connect. The second (uses a fullreset.txt file on a USB memory stick in conjunction with the reset button. This will fully reset the unit back to its factory firmware and default settings.

Networking Reset

Reset Networking and Admin password if you have forgotten the admin password or if you are no longer able to connect to the Ui.

Use a paper clip (or similar) to hold down the recessed reset button (side panel) down for approximately 10 seconds while you power on the unit. This will initialise the Ui's networking and admin password to the default state.

Full Reset

This method removes all updates you may have performed on the mixer and returns the unit to its default factory shipping firmware and state. All settings, snapshots, users, profiles and shows will be lost. Please ensure you have saved/backed up any shows before resetting your Ui.

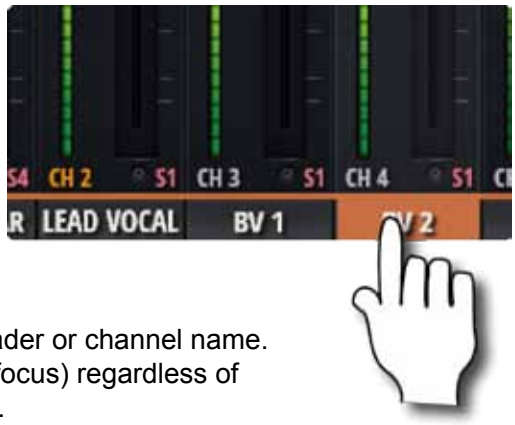
1) Create a test file named fullreset.txt (no contents necessary) and copy to a USB stick
2) Insert the USB stick into one of the Ui's USB ports.
3) Use a slim, long object to hold the reset button down for approximately 10 seconds while you power on the unit.
4) The Ui will recognise the fullreset.txt file on the USB stick and perform a full factory reset.
5) You must power cycle the unit and reconnect the client device. Power off for at least 10-15 seconds before powering back on.

Note: A flick of the power off/on will almost always fail to boot properly, and can get stuck (with continuous flashing blue Wi-Fi LED). Make sure to power off, wait 10-15 seconds, then power on. The blue Wi-Fi LED will pulse/flash for around 10-15 seconds then remain on.

SOFTWARE > SOFTWARE NAVIGATION

There are many navigation / gesture techniques common to both the Tablet and Phone versions of the Ui control software. This section describes the main ones. Section 3.7 summarises all control gestures.
Please Note: The screen shots shown are from the phone version of the software, except where the two differ significantly in content.

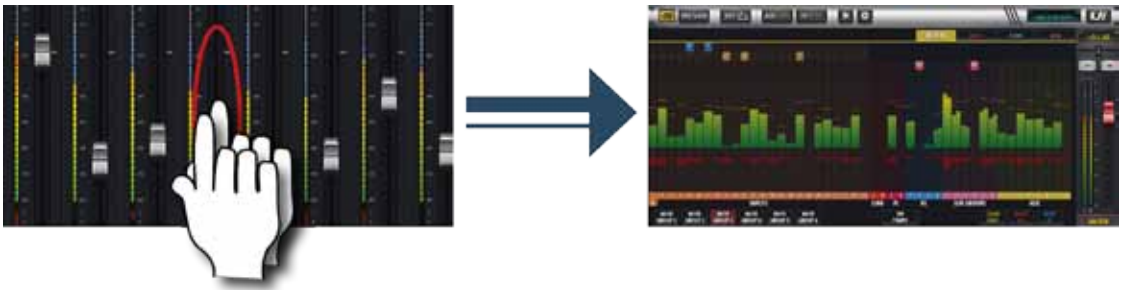
Scroll Mixer
Touch /Click and slide on the mixer screen to scroll along to whole available mixer - including FX Send, Aux Send and Group masters.



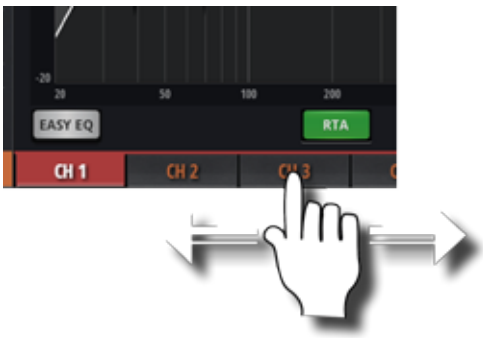
Fader / Channel Name
Select a channel by touching or clicking on a fader or channel name. The selected channel will remain active (keep focus) regardless of function screen until a new channel is selected.

Double Tap Fader
Access the channel EQ from MIX Screen. Double tap or double click.

SOFTWARE > SOFTWARE NAVIGATION



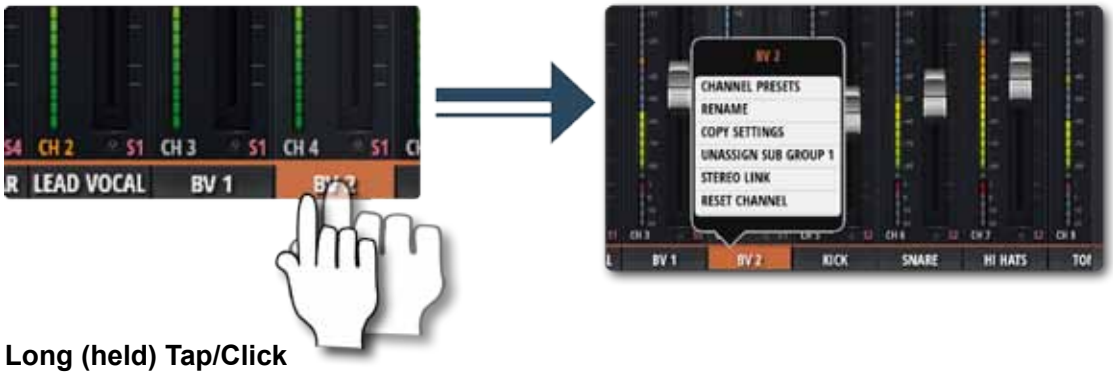
Double Tap Channel Strip
Double tap anywhere except the fader to access the METERS screen or switch back to the MIX screen from the GAIN screen.



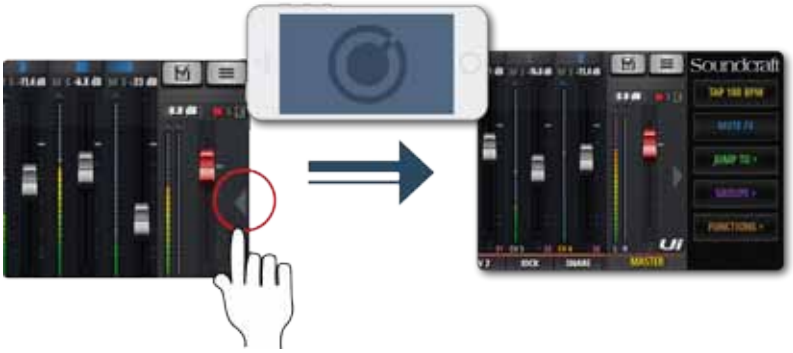
Scroll Channel Names
Touch/click-hold and slide on channel names to access channel names across the whole mixer, including FX Sends, Aux Sends, and Group Faders.

Double Tap Channel Name
Phone: Access the Dashboard screen for that channel - access to EQ, dynamics, Aux and FX Sends, and more.
Tablet: Access EDIT Page > Dynamics tab.

SOFTWARE > SOFTWARE NAVIGATION



Long (held) Tap/Click
A long tap/click on certain controls brings up a sub-menu specific to that control. For example, a long hold or click on a channel name gives access to channel presets, renaming, copy/paste settings, sub group assignment, stereo linking, channel reset, and the ASSIGN ME function.



Slideout View
Touch the Slideout Arrow to the right of the MIX screen to access the Slideout View panel.

For the tablet software Slideout panel, click/touch the Ui button in the top right corner of the screen. The tablet Slideout offers fast mixer navigation to common channel groups, MUTE and VIEW group access, the TAP TEMPO button, plus MUTE ALL and MUTE FX functions.

On the phone software this gives fast access to the TAP TEMPO and MUTE FX buttons, plus JUMP TO (mixer navigation), GROUPS (Mute & View Groups), and FUNCTIONS (fast functions such as playback and record) options.

You can pin the Slideout View in place via the SETTINGS Screen.

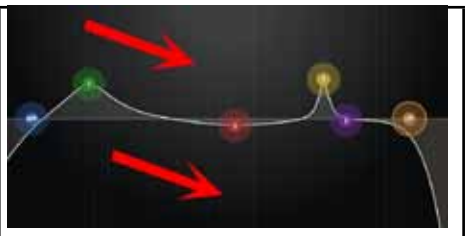
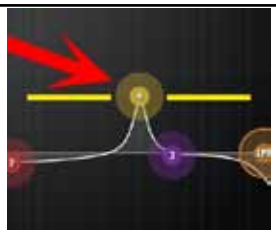
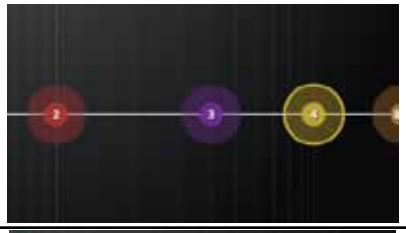
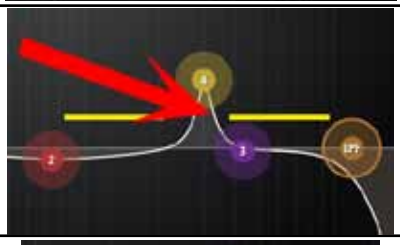
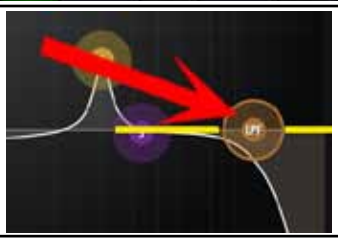
SOFTWARE > CONTROL SUMMARY:MIX PAGE SHORTCUTS

Double Click/Tap on Virtual LCD Display	to return Channel Volume to 0db	
Single click/tap on channel Pan or Balance control zone	to temporarily display channel Pan or Balance value in relative virtual channel LCD display	
Double click/tap on channel Pan or Balance control	to centre channel Pan or Balance.	
Double click/tap in INPUT channel strip zone (excluding fader cap)	to navigate to METERS Page	
Double click/tap in LINE INPUT channel strip zone (excluding fader cap)	to navigate to METERS Page	
Double click/tap in PLAYER channel strip zone (excluding fader cap)	to navigate to PLAYER/MEDIA Page.	
Double click/tap in FX RETURN channel strip zone (excluding fader cap)	to navigate to FX SENDS Page	
Double click/tap in SUG GROUP channel strip zone (excluding fader cap)	to navigate to METERS Page	

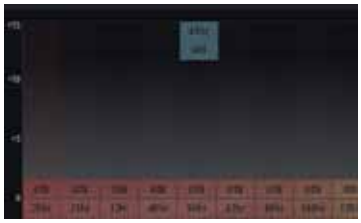
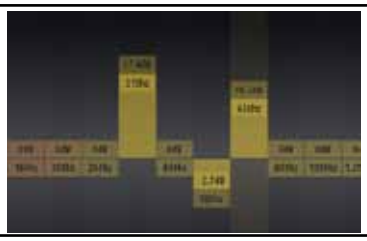
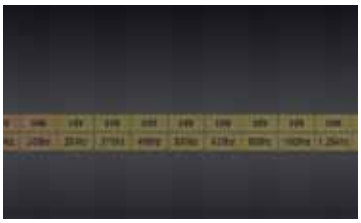
SOFTWARE > CONTROL SUMMARY:MIX PAGE SHORTCUTS

Double click/tap in AUX MASTER channel strip zone (excluding fader cap)	to navigate to AUX SENDS Page	
Double click/tap on channel fader cap to navigate	to channel EDIT mode EQ tab	
Double click/tap on channel label (channel types: INPUT, LINE IN, PLAYER, SUB GROUP, AUX)	to navigate to selected channel EDIT page DYN tab.	
Double click/tap on channel label (channel type: FX RETURN)	to navigate o selected channel EDIT page FX tab (Global FX parameters)	
Long click/press and hold on channel label	to engage channel pop-up menu.	
Single click/tap on top level navigation panel virtual LCD display.	to engage shows/snapshot pop-up list short-cut activator	
Long click/press-and-hold on top level navigation panel virtual LCD display	to navigate to SETTINGS page SHOWS tab	
Single click/tap on MASTER channel virtual LCD display	to navigate to METERS Page	

SOFTWARE > CONTROL SUMMARY:CHANNEL EDIT PAGE PARAMETRIC EQ

Double click/tap in vacant space	to navigate to MIX page.	
Drag PEQ frequency balls	to adjust dB gain (up and down) and frequency values (left and right)	
Double click/tap frequency balls	to reset selected frequency band to 0dB and default frequency.	
Pinch-gesture or mousewheel/ trackpad scroll on selected frequency ball	to adjust Q value	
Drag DE-ESSER frequency ball	to adjust frequency and dB threshold values.	
Pinch-gesture or mousewheel/ trackpad scroll on DE-ESSER frequency ball	to adjust ratio value.	
Drag LPF/HPF frequency ball	to adjust LC/HPF frequency value. Note: The slope of the curve can also be adjusted by selecting the desired curve from the right panel menu.	

SOFTWARE > CONTROL SUMMARY:CHANNEL EDIT PAGE GRAPHIC EQ

On Master EQ and AUX1-2 you may also DRAG HPF and LPF EQ's to select the desired frequency.	Note, only available on MASTER Left/Right and AUX/MATRIX 1 and 2.	
GEQ frequency	to adjust dB gain of selected frequency.	
Double click/tap GEQ frequency	to reset selected frequency to 0dB.	
Drag GEQ to see the rest of the frequencies (size depends on screen size being used)	Top Left hand corner you will see a representation of all 31 bands	

SOFTWARE > CONTROL SUMMARY:CHANNEL EDIT:AUX SENDS

Long click/press-and-hold channel strip PRE/POST button	for 'set all Pre or Post' option.	
Double click/tap in channel send strip zone (excluding fader cap)	to navigate to MIX Page.	
Double click/tap on channel label	to navigate to selected channel EDIT page DYN tab.	
Long click/press-and-hold on channel label	to engage channel pop-up menu	
Double click/tap in channel LCD	to 'Return To Zero Level'	

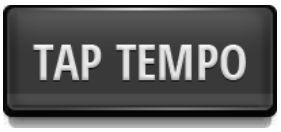
SOFTWARE > CONTROL SUMMARY:CHANNEL EDIT:FX SENDS

Double click/tap in channel send strip zone (excluding fader cap)	to navigate to MIX Page.	
Double click/tap on channel label.	to navigate to selected channel EDIT page DYN tab	
Long click/press-and-hold on channel label	to engage channel pop-up menu.	
Double click/tap in channel LCD	to 'Return To Zero Level'	

SOFTWARE > CONTROL SUMMARY:CHANNEL EDIT:FX SENDS

Double click/tap in channel strip zone (excluding fader cap)	to navigate to MIX Page.	
Double click/tap on channel fader cap	to navigate to channel EDIT mode EQ tab.	
Double click/tap on channel label	to navigate to selected channel EDIT page DYN tab	
Long click/press-and-hold on channel label	to engage channel pop-up menu.	

SOFTWARE > CONTROL SUMMARY:SLIDEOUT PANEL SHORTCUTS

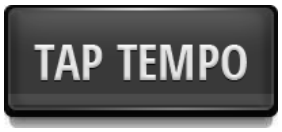
List selectors Item selections available in list boxes can be made by **double clicking/tapping** on a selection	in addition to using a 'load' button trigger.	
Long click/press-and-hold on SUB GROUPS	to navigate to Sub Group configuration (METERS page, SUBS tab.)	
Long click/press-and-hold on VIEW GROUPS	to navigate to Views configuration (METERS page, VIEWS tab)	
Long click/press-and-hold on MUTE GROUPS	to navigate to Mute Groups configuration (METERS page, MUTES tab).	
Long click/press-and-hold on TAP TEMPO	for numeric tempo entry.	

At anytime you may click on the HOME button to get back to the main mixer. It is recommeded for easy use to select the BIGGER SLIDOUT panel from the settings menu and PIN it to the mixer so it is available at any time.

SOFTWARE > CONTROL SUMMARY:CHANNEL EDIT PAGE

Digitech Tab: **Single click/tap** on amp head	to bring up amp list selector	
Digitech Tab: **Single click/tap** on cabinet	to bring up cab list selector	
DYN Tab: **Double click/tap** in vacant space	to navigate to MIX page.	
DYN Tab: **Drag** threshold ball.	to adjust dynamics threshold value	
DYN Tab: **Drag** ratio ball	to adjust dynamics ratio value	
FX Tab: **Double click/tap** in vacant space.	to navigate to MIX page	
FX Tab: **Single click/tap** in virtual FX rack	for Preset Manager	
AUX Tab: **Double click/tap** in vacant space	to navigate to MIX page.	

SOFTWARE > CONTROL SUMMARY:METERS PAGE

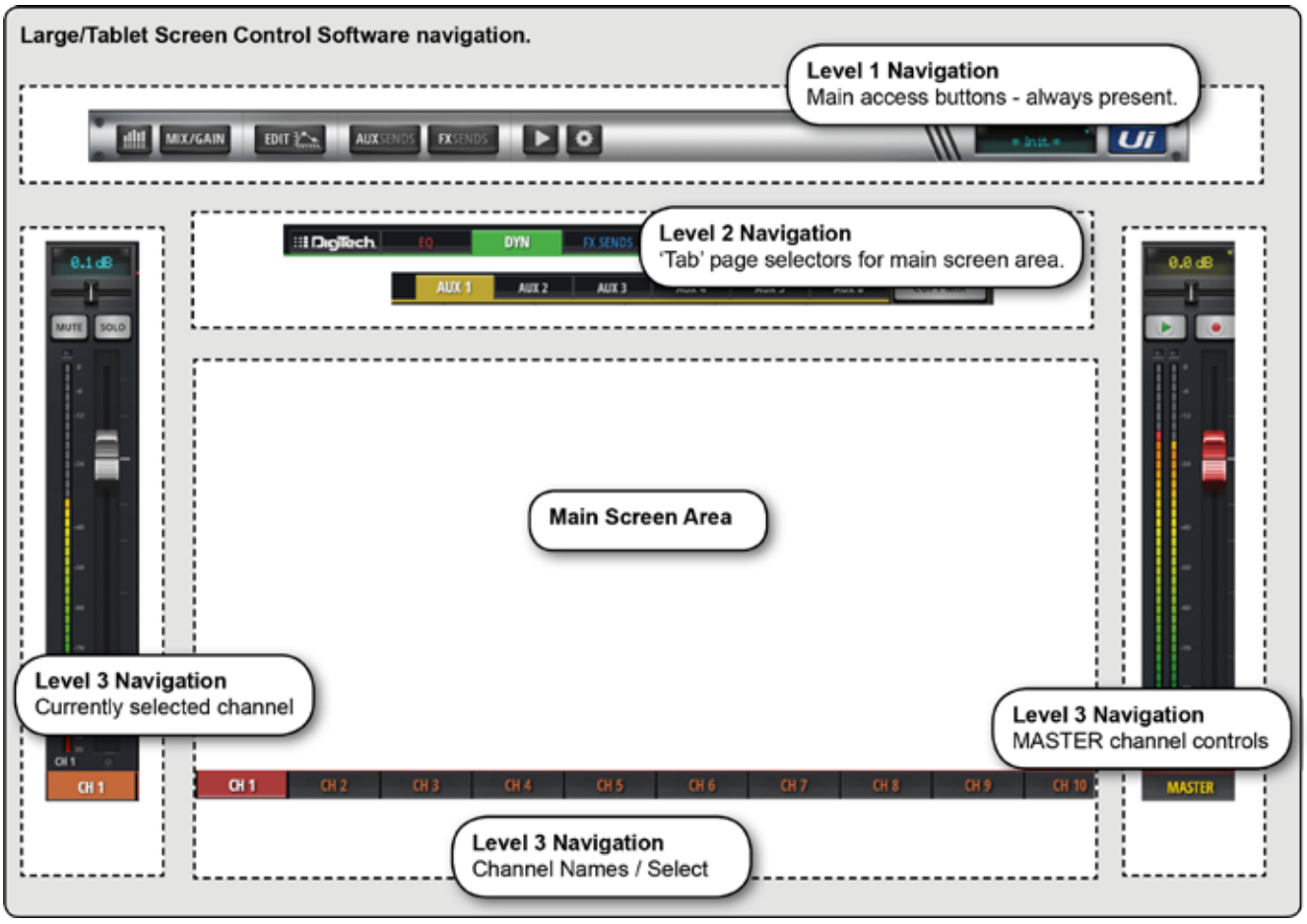
Single click/tap on any channel meter VU zone	to navigate to relevant channel on MIX page.	
Long click/press-and-hold on TAP button	for numeric tempo entry.	

SOFTWARE > CONTROL SUMMARY/SHORTCUTS

SLO-MO FINE ADJUSTMENT **Hold on fader**	Allows fiune adjustment of parameters for greater accuracy.	
SET TO ZERO **Double Click**	Double click on any parameter will reset back to zero	
JUMP TO METERS/AUX **Double Click**	Double click on any channel will open up same channel in Meters/ Aux pages	
JUMP TO EQ/DYN **Double Click**	Double Click etc.	
CHANGE FX **Press and Hold**	Will bring up pop menu for quick change of effects	
DOTTED TABS **Press and Hold**	Any tab with dot in right corner will-have a shortcut function that can be activated via pressing and holding.	

SOFTWARE > TABLET / LARGE SCREEN NAVIGATION

The MIX Screen is the default for the Ui tablet / large screen software - You can navigate from there to other screens and functions in a variety of ways. The Level 1 Navigation controls take you directly to various primary screens, Level 2 navigation (page tabs) switches layers within the selected screen, and Level 3 navigation controls select individual channels.



METERS

Access the METERS page

Tabs on this page are METERS, (meters & status), MUTES, VIEWS,, VCA's and SUBS (Sub Groups). The default meters page shows status for phantom power, phase, mute, and solo, plus bargraph metering for level, gain reduction (dynamics). You can activate mute groups, use Tap Tempo, and CLEAR SOLO, MUTE ALL, AND MUTE FX directly from this page.

SOFTWARE > TABLET / LARGE SCREEN NAVIGATION

MIX / GAIN

Access the MIX and GAIN pages

When the button is orange, the MIX page is shown (channel faders) and when the button is Red, the GAIN page is shown (remote gain faders and input stage controls).

EDIT

Access the EDIT page for the selected channel

Resulting page configuration depends on selected channel. For example, the EDIT page for an input channel will have EQ, Dynamics, Aux Sends, and FX Send tabs. Certain Tabs will be preselected if you navigate from certain views. For example, selecting EDIT from the FX Sends main page will preselect the FX Sends tab in for the
highlighted channel.

AUX SENDS

Access the AUX SENDS page

Shows a fader based view of all aux send levels for the selected aux bus. Also shows the Aux Master channel on right hand side. Selecting EDIT from the AUX SENDS page will preselect the AUX SENDS tab for the selected input channel.

FX SENDS

Access the FX SENDS page

Shows a fader based view of all FX send levels for the selected FX Send Bus. Also shows FX Return channel on right hand side. Selecting EDIT from the FX SENDS page will preselect the FX Send tab for the selected input channel.

MEDIA

Access the MEDIA page

Playback and record controls, plus playlist and track selections. Also shows Playback L and Playback R channels on left hand side.

SETTINGS

Access the SETTING page

System and mixer settings and configurations.

SOFTWARE > TABLET / LARGE SCREEN NAVIGATION

SNAPSHOT

Access the Show and Snapshots pop-up selector

Load shows and snapshots directly from this pop-up.

SLIDEOUT

Access the SLIDEOUT view on the right hand side of the screen

Offers fast view and status switching functionality. The Slideout view can be configured as ‘pinned’ (permanent) in the SETTINGS page for Mix and Aux/FX Sends pages independently.

SOFTWARE > KEYBOARD CONTROL and shortcuts

For users mixing with a device that has a keyboard, please see below a set of easily accessible key commands, making it quick and efficient to access the most used features on the mixer.

Keys
1 = Meters
2 = Toggle Mix/Gain
3 = Edit
4 = Aux Sends
5 = FX Sends
6 = Player
7 = Settings
8 = Slide Out
9 = Meters

q = Toggle Inputs
w = Toggle FX Masters
e = Toggle Sub Group Masters
r = Toggle Aux Masters
t = Toggle VCA Masters

p = channel presets (for channels that have channel presets)

a = Mute All
s = solo currently selected hannel
f = Mute FX

x = 2-track record
c = Currently selected channel pop menu
m = Mute currently selected channel

Space bar = Slide Out
tab = toggle through L2 tabs
Back space = last page

Right Arrow = Select next channel
Left Arrow = Select previous channel
Up Arrow = Bank jump forward to next visible channel
Down Arrow = Bank jump backwards to next visible channel

ESC key = Take me home

SOFTWARE > GUI shortcuts

Nav bar LCD - long click to jump to SETTINGS->SHOWS
Master channel strip LCD - click to toggle view between MIX and METERS page

Pan slider - single click to show value in LCD
Pan slider - Double click to reset to CENTER
Fader cap - Double click fader cap to jumpt to EDIT->GEQ
Fader cap if MASTER LOCK ENABLED and HOLD FADER FOR FINE TUNING ON in Settings:

- Long click 2 sec to temporarily unlock and adjust fader value

- Long click 4 sec to HOLD FADER FOR FINE TUNING (if master lock in not ON, HOLD FADER FOR FINE TUNING is set to 2 seconds)

Channel label - long click to enable channel pop menu

Meters page
Channel meters - click to select channel and jump to MIX page

Free space in METERS->MUTES/VIEWS/SUBS/VCA - Double click in free speace to return to MIX page
MIX page

Channel Strip
Channel LCD - Double click to reset to 0dB
Channel LCD - Long click to manually enter value
Pan slider - single click to show value in LCD
Pan slider - Double click to reset to CENTER

Channel strip Inputs/LINE/SUB GROUPS - Double click strip/VU zone to go to Meters
Channel strip PLAYER - Double click to go to Player page
Channel strip FX Master strip zone - Double click to go to FX Sends
Channel strip AUX Masters - Double click to go to AUX Sends
Fader caps - Double click fader caps to jumpt to EDIT->EQ (except VCA)
Channel labels - long click to enable channel pop menu
Channel labels - double click to jump to EDIT->COMP (excludes FX Masters)
Channel labels FX Masters - double click to jump to EDIT->FX SENDS

EDIT PAGE
Generally double clicking in free space will return the user to the MIX page

AUX Sends
Tab key to toggle through AUX Master channels
Channel strip zones - Double click to go to Mix page

FX Sends
Tab key to toggle through FX Master channels
Channel strip zones - Double click to go to Mix page

Small Slide Out
Sub group button - Long click to jumpt to METERS->SUBS
View group button - Long click to jump to METERS->VIEWS
Mute group button - Long click to jump to METERS->MUTES
Tap Tempo button - Long click to manuall enter Tempo

Big Slide Out
Mute group buttons - Long click to jump to METERS->MUTES of the currently selected group
View Group buttons - Long click to jump to METERS->VIEWS of the currently selected group
Tap Tempo button - Long click to manuall enter Tempo value

Generally double clicking in free space will return the user to the MIX page
Tap tempo button - long click to enter manual value

SOFTWARE > TABLET SOFTWARE SCREENS

The main tablet software screens are accessed from the level 1 Navigation Buttons along the top of the screen area, or via fast-access routes, such as double-tapping on a fader to access the EQ screen (see section 3.1).

METERS
The Tabs are METERS (for all channels), MUTES (Mute group Assignment), VIEWS (View Group assignment), and SUBS (sub-group assignment).
The Meters page features VU meters and gain reduction meters for all channels, and also provides fast access to the CLEAR SOLOS, MUTE FX, and MUTE ALL buttons, plus all Mute Groups.

MIX
MIX is the most used screen and includes a scrollable display of every channel fader. The channel order from left to right is: input channel faders, line in faders, media player faders, FX return faders, Sub Group faders, and AUX Master faders. The Ui hardware you own will determine how many channels you see in the control software.

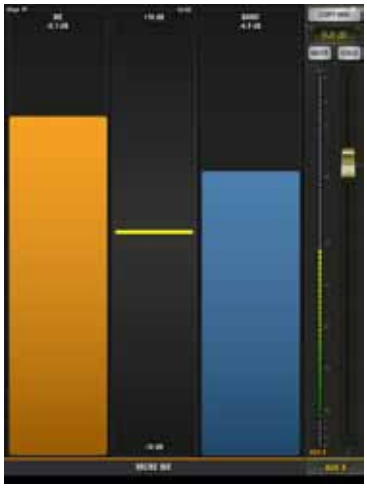
GAIN
All Ui mixer models include remote gain control and remote phantom power.
The GAIN screen - easily identified by its red fader level lines - features Gain Faders, and the phantom power and phase invert buttons. Note: When selecting DAW or USB A playback these will br disabled and another set available for recording after the first 20 mic input channels.

SOFTWARE > TABLET SOFTWARE SCREENS

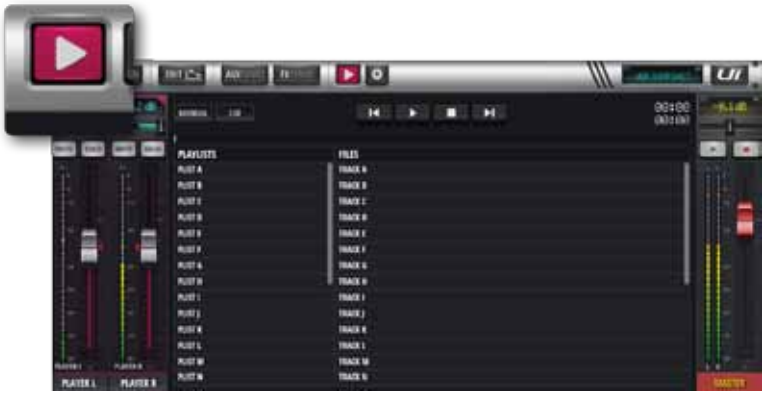
EDIT
The EDIT page provides access to audio processing such as EQ, DYNAMICS, and FX. The specific audio processing tabs available depend on the selected channel type. For example, the aux outputs and Master Channel include Graphic EQ.

AUX SENDS
AUX SENDS is where the aux mixes are created. The faders determine the level of signal sent to the selected aux bus. Select an aux mix from those available at the top of the view to adjust that mix. The Aux Master will be available on the right hand end of the screen, next to the Master Channel.

FX SENDS
FX Send faders determine the mix that is sent to the selected FX processor. First, select which effect you wish to adjust using the tabs, then adjust the faders to increase or decrease the amount of reverb you would like added to each input channel.
Select EDIT to edit the selected FX algorithm.



MOREME
MOREME allows users to assign their own personal channel, and create a personal monitoring mix with a single large fader. MOREME channel names are highlighted in orange. To assign an input channel to the MOREME fader, long-press a channel name and select the ASSIGN ME function. Use the same process to assign an Aux bus as 'ME OUT'. In Tablet software, select MOREME in the Slideout panel, or turn the ipad to a portrait view to access the MOREME screen.



MEDIA
The Ui mixer has a built in media player. This can be used for backing tracks or for background music in between sets. The file playback is streamed directly from a USB stick. Press the MEDIA icon to enter the player page. Files can be played from a playlist or directly from the file list. Press and hold the PLAYER channel name to bring up the channel menu.

SETTINGS
System, network, and security settings, as well as Shows and Snapshots management. See section 10 for more details.

SOFTWARE > PHONE NAVIGATION

The MIX screen is the default for the Ui software - You can navigate from there to other screens and functions in a variety of ways. To access the Menu screen, press the NAV icon in the top right corner of the screen. Press it again to return to the MIX screen.

NAV

Access the main menu screen

When in use, the NAV button changes to the 'Return' icon. Use this to return to the MIX screen.

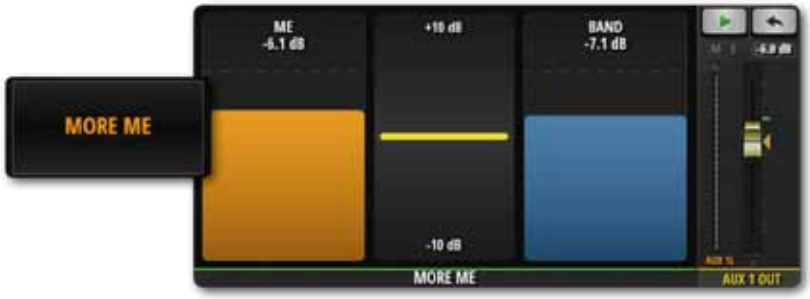
SHOWS / SNAPSHOTS

Access the Show and Snapshots load/save page.

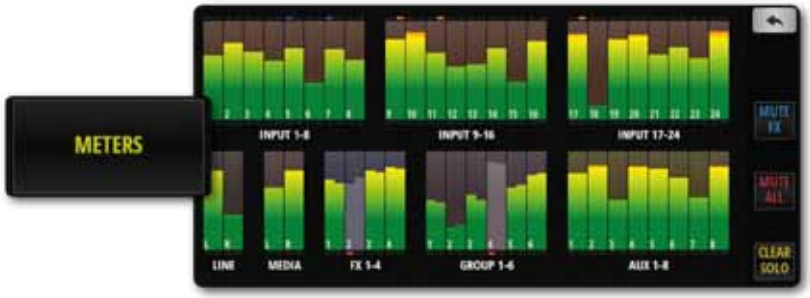
SOFTWARE > PHONE SOFTWARE SCREENS

From the MENU screen you can access the MIX screen (Return button, top right corner) and nine other primary screens via the large colour-coded buttons.

PLAYER
The Ui mixer has a built in media player. This can be used for backing tracks or for background music in between sets. The file playback is streamed directly from a USB stick. Files can be played from a playlist or directly from the file list. Press and hold the PLAYER channel name to bring up the channel menu.



MOREME
MOREME allows users to assign their own personal channel, and create a personal monitoring mix with a single large fader. MOREME channel names are highlighted in orange. To assign an input channel to the MOREME fader, long-press a channel name and select the ASSIGN ME function. Use the same process to assign an Aux bus as 'ME OUT'.



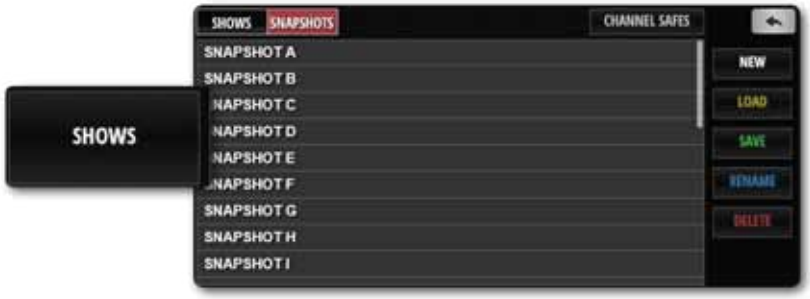
METERS
VU Meters for all Mixer channels, plus status LEDs for Phantom power, Phase, Clip, Mute, and Solo. If you press on any meter bank, it will take you to the faders of those channels on the MIX page. This page also provides fast access to the CLEAR SOLOS, MUTE FX, and MUTE ALL buttons.

SETTINGS
A range of system settings and configuration options under the headings SETUP (mix preferences), GUI (interface), NETWORK (Wi-Fi hot spot and password settings), ACCESS (multi-user security), and HELP.

SOFTWARE > PHONE SOFTWARE SCREENS

AUX SENDS
AUX SENDS is where the AUX mix is created. The AUX input channel faders determine the signal level sent to that aux bus. Select an aux mix on the right to adjust the mix from all channels.

GAIN
All Ui mixer models include remote gain control and remote phantom power.
The GAIN screen - easily identified by its red fader level lines - features Gain Faders, and the 48V phantom power and PHASE buttons.



SHOWS
Shows and Snapshots management, saving, and recall etc. A Show is a collection of Snapshots. A Snapshot is a stored set of full mixer settings.

FX SENDS
FX Send faders determine the mix that is sent to the selected FX processor.
First, select which effect you wish to adjust using the tabs, then adjust the faders to increase or decrease the amount of reverb you would like added to each input channel. Select FX EDIT to edit the selected FX algorithm.

EDIT
Double-Tap a channel name or select EDIT screen to open the channel Dashboard. This screen allows editing of EQ, dynamics, FX and aux sends. Simply click on the display you want and it will open that feature in full screen.
Double-Tap the Master Channel name for the Master EDIT page.

MIXER CHANNELS

The Ui mixers has a variety of input and output channel types. You can view all channels in the main MIX screen and drag-scrolling along the virtual console. You can also use the MIX page Slideout panels to select specific channel types and preset views.

INPUT CHANNEL - sections 4.1 and 4.2
A Ui Input channel consists of a GAIN section (physical input, pre-amp, phase, phantom power etc) and the MIX section. Input channels feed the main stereo bus (to the Master Channel), the aux send busses (to the Aux Master channels), and the FX send busses (and on to the FX Returns). An input channel's contribution to these busses is controlled on the relevant software page, or in the channel's EDIT screen.

AUX SENDS / AUX MASTER CHANNEL - section 4.3
Aux Outputs (short for Auxiliary) are the outputs on the top right of the Ui hardware. These outputs each have their own mix of input sources, separate from the master mix. Generally, aux outputs are used for musicians to hear their own mix on stage via a stage monitor speaker or to headphone amplifiers for in-ear monitoring. Alternatively, the aux outputs can be sent to external hardware FX units.

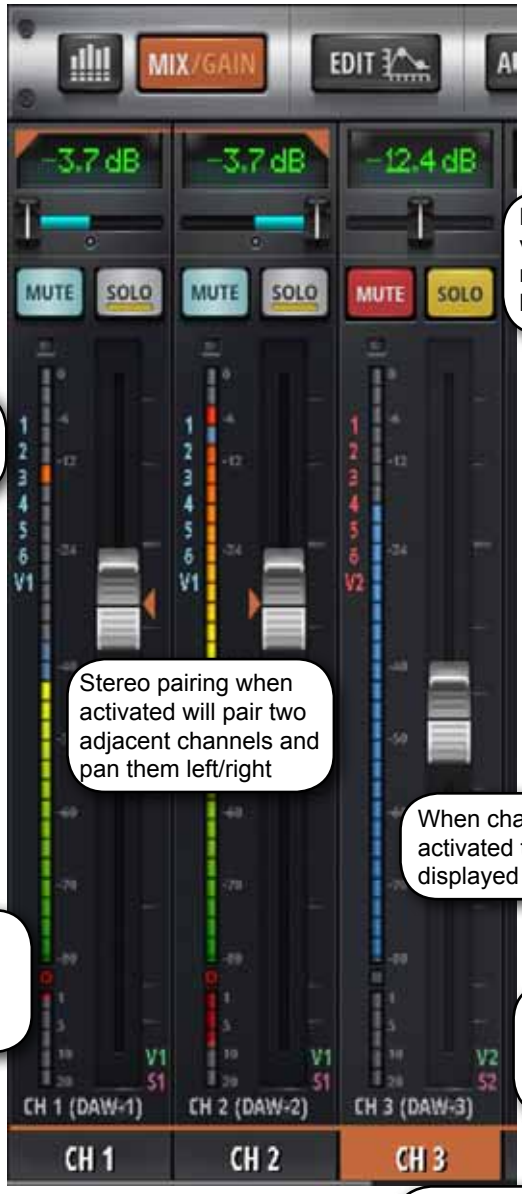
SUB GROUP MASTER CHANNEL - section 4.5
If you want to have individual control over the drum kit mix components, for example, but also want single fader control over the whole kit's contribution to the mix, you would use a Sub Group.

FX SENDS / FX RETURN CHANNEL - section 4.4
FX SENDS faders effectively determine the amount of effect on each input channel. They work much like aux sends in that a mix of input channel contributions is created on the FX SENDS page - one for each FX processor.

MASTER CHANNEL - section 4.6
The Master Stereo Channel is the output channel for the main stereo (left & right) mix - determined by the input channel and FX Return channel faders and pan/balance controls.

CHANNEL STRIP

The Channel Strip has a host of information right at your fingertips. The following is a breakdown of what a user can expect to find.



Mute and Solo buttons when activated will either Mute the channel, removing it from the mix or Solo it by removing all other channels.

VCA group information is displayed top LH for multiple VCA groupings

Stereo pairing when activated will pair two adjacent channels and pan them left/right

When channel mute is activated the gain meter is displayed in blue.

Channel Gain LED indicators display gain level. Peak levels are displayed in Red.

VCA and Subgroup indicators are displayed in bottom RH corner when activated.

Channels can be named by double-clicking on the channel number

CHANNEL STRIP

The Ui Side panel is a multi-function interface that enables easy access to View and Mute Groups. The expanded format has separate tabs for Banks, Media Player and Functions allowing even greater accessibility.

The Slim Slideout Ui Strip displays Inputs, FX Returns, Sub Groups, AUX Masters, View and Mute Group Tabs., Tap Tempo, Mute All, Mute FX and More Me options. Clicking on these will open their function screens allowing the user quick access.

The Large format Slideout Ui Strip in Banks Mode expands on the standard slideout strip with Smart Scrolling through the Ui display and quick tabs to transport the user to the Start or End of the display.

The Large format Slideout Ui Strip in Player mode allows quick access to Muliti-track and 2-track USB Playback and Recording.

The large format Slideout Ui Strip in Functions Mode allows the user access to Save snapshot, update current snapshot, previous snapshot/ next snapshot scrolling through snapshots.

All three Large format Ui Strips give easy access to View and Mute Groups, Mute FX, Tap Tempo, FX Masters, AUX Masters, VCA Masters and Sub Groups. The More Me function is accessed via a tab in the Meters screen

CHANNELS > INPUT: GAIN PAGE

The Gain page allows you to control the input stage aspects of a Ui input channel. It is a channel strip-type display with red fader level indicators.

TABLET: Click/tap MIX/GAIN button to toggle MIX and GAIN pages.
PHONE: Use the GAIN menu button to navigate to the GAIN page.

NOTE: The GAIN screen has the Input Display and Pan/Balance controls in common with the MIX screen - please see section 4.2 for details.

All Ui mixer models include remote gain control and remote phantom power. This great feature allows you to change the Microphone input Gain and Phantom Power remotely on your Ui software without needing to touch the hardware).

GAIN
The audio inputs have an input gain range from -10dB up to +60dB. It's a good idea to make sure the gain fader is down when plugging in new sources. Avoid 'clipping ' the input - when you see the red clip light constantly registering, the signal will be distorted. Simply reduce the gain to avoid this.

When you switch to MIX from GAIN, the volume faders change to GAIN faders (red line underneath the fader knob). In the tablet software, the MUTE and SOLO buttons change to +48V (Phantom power) and ϕ (Phase Reverse) and Delay buttons. In the phone software those controls are in the EDIT page (you can double-tap a channel name to switch to the EDIT page faster). Note when a DAW input is selected to a channel the gain control will be moved to the DAW gain section.

PHANTOM POWER
Phantom Power is required to power certain microphones such as condenser microphones, or other active
devices such as an active DI. It is activated per channel. You can get an overview of phantom power status in the METERS screen (blue indicator).

When phantom power is activated, the channel output is momentarily muted to avoid transients being
transmitted to the rest of the audio chain (protecting your PA speakers).

PHASE REVERSE
Reversing the phase can help eliminate unwanted frequencies that may result in feedback or simply help correct the sound when it sounds 'out of phase' or not quite right.

HI-Z (Only available on CH1 and CH2)
High voltage, Low current sources like guitars, keyboards and basses will benefit from using the Hi-Z input on CH1 and CH2.

INPUT DELAY
The Input delay can be varied from 1-250ms. This will enable the user to allow for different microphone placements on a large stage for example. By delaying the input signals form various sources, the user can create a more coherent mix.
Enter the GAIN tab. Each input fader bay will offer a delay button. When pressed a delay entry modal will open allowing user input of selected delay value.
The user enters a delay value in ms, meters, ft, or samples.

ISOLATE
Isolate channel parameters from changing with show or snapshot revisions. This protects the parameter from being overridden by snapshot changes.

CHANNELS > INPUT: MIX PAGE

The MIX page is the Ui control software's default page and allows you to control the routing and panning and fader of a Ui input channel. Please note - the phone software displays panning/balance, solo, and mute status, but for control you should use the EDIT page. Those controls are described in this section.

TABLET: Click/tap MIX/GAIN button to toggle MIX and GAIN pages.
PHONE: The RETURN button will always return you to the MIX page.

A double click/tap on a GAIN channel strip (not the fader cap) will return you to the MIX page.
A double click/tap on a channel name will take you to the EDIT page for that channel.

FADER

Adjust the level of this channel in the master stereo mix.

METERING

VU metering for input level and volume level.

The VU meters on the MIX page show two colours. The blue meters show the input gain (from the GAIN page) and the yellow meters over the top show the volume level. Please note, EQ & DYN affects the volume meters.

CHANNELS > INPUT: GAIN PAGE

MUTE

Turn off the audio signal of a channel

MUTE is an immediate audio off, rather than having to slide down the fader (and removes the possibility of forgetting its original position). The MUTE button mutes the channel output to the main stereo bus. It can also mute an aux output, depending on the aux's PRE or POST status (post fader aux will be muted).

SOLO

Solo this channel

The SOLO button is grey when not in use and yellow when operational. Press the SOLO button to only hear the Soloed channel. In SETTINGS the SOLO button signal can be routed to the headphones or to the Master outputs + headphones. There are also two solo modes: SOLO 1 (pressing a SOLO button deactivates a previous solo) and SOLO+ (solos are cumulative and do not cancel previous solos). NOTE: If the 'AUX' option is set for the HEADPHONES OUT parameter (SETTINGS), the headphones output will not reflect the Solo selection.
The default routing is 'PFL' (Pre Fade Listen. However, Solos can be set to AFL (After Fader Listen) in the SOLO TYPE parameter in GLOBAL SETTINGS (see section 10).

PAN / BALANCE

Adjust the Pan / Balance

CHANNEL DISPLAY

Numeric fader level and pan

Shows the input as a dB level. It also shows the Pan position for three seconds after the pan slider is moved.

CHANNEL NAME

Channel sub menu access, channel name scrolling, channel select

The Channel Name is usually a name/description of that channel. You can click on channel names to select that channel, double click/tap a channel name to go to the EDIT screen for that channel, or you can Long-Click/Tap on a channel name to access the channel sub-menu (See section 4.3).

CHANNELS > INPUT SUB-MENU (Add VCA after Assign Sub Group on image grab)

By long-clicking/tapping on a channel name you can access the channel sub-menu for access to various channel parameters...

CHANNEL PRESETS
Recall and save whole channel settings - Factory and User preset banks.

RENAME
Rename the channel. The new name will be shown in the Channel Name fields.

COPY / PASTE SETTINGS
Copy the channel settings to the pasteboard. A ‘PASTE SETTINGS’ option will appear when you select another input channel sub menu. Use that to paste the copied settings to that channel.

ASSIGN SUB GROUP
Choose a sub group for this channel. For example, you might want to assign all drum kit microphones to a ‘Drum Kit’ sub group. Once assigned, the sub group assignment grid will be replaced with an ‘UNASSIGN SUBGROUP’ option.

ASSIGN VCA

VCA Groups allow you to control groups of Input Channels from a single VCA Master. For example, you could put the whole drum kit under the control of a single VCA Master, or if you have a multiple mics on a guitar cabinet you could set the ratios with individual channels and then create a Guitar VCA Master - move the VCA Master Channel and all Group Member levels will be 'offset' from current levels by the VCA Master level. The Ui24R is able to assign VCA's from the METERS Sub Menu or from individual Channel Sub-Menu's.

HOW TO ADD/REMOVE MEMBER CHANNELS

VCA channels are assigned via the pop menu accessible by holding down on the desiired channel. All changes can be made through this menu.

VCA INDICATORS ON CHANNEL STRIP

Color indicator for channel virtual LCD panel turns green when VCA is engaged for that channel. Also the channel strip will display V1-6 in green depending on which VCA is engaged.

VCA MUTE

When mute is placed on a VCA master, all member channels are also muted.

STEREO LINK

Create and stereo channel from two mono channels. Odd/even (L/R) pairs are linked, so if you link channel 2 (right), it will create a stereo channel with channel 1 (left).

RESET CHANNEL

Reset channel sends a channel back to its default setting.

VCA SPILL

By clicking on the Spill tab on the VCA channel strip, the user can expand the entire VCA spread for that channel.

MATRIX

A Matrix can best be described as a mixer inside the mixer. In its most simple form, a matrix takes a selection of inputs (usually derived from the group and main output buses) and allows routing of those signals, complete with level control, to a series of outputs.

Matrix systems offer the ability to choose from a variety of inputs including external sources, and offer signal processing including EQ, compression, noise gate and delay/reverb. Contributions stuff

MATRIX CONTRIBUTIONS

Matrix Contributions can come from:
AUX Sends
Sub Groups
Master L/R (can be Pre/Post fader)
Note that XLR outputs 1/2 which are automatically assigned to AUX 1/2 or Matrix 1/2 have HPF and LPF filters which can be used as crossovers.

METERS

The Meters page displays all active channels meter readings along with indicators for Mute, Solo, Phantom 48v power and Phase Reverse.

Users can click on any channel meter and they will be brought to directly to that channel. Alternatively, double clicking in an input channel will bring the user back to the Meters page.

CHANNELS > AUX SENDS

Aux Outputs (short for Auxiliary) are the outputs on the top right of the Ui hardware. These outputs each have their own mix of input sources, separate from the master mix. Generally, aux outputs are used for musicians to hear their own mix on stage via a stage monitor speaker or to headphone amplifiers for in-ear monitoring. Alternatively, the aux outputs can be sent to external hardware FX units.

AUX SENDS is where the aux mixes are created - these can be for monitor outputs, for external FX sends, and more. They have dedicated outputs on the Ui hardware. The aux faders have orange level indicator lines and determine how much of each input channel is contributed to the Aux bus. Ui24R has 8 main Aux busses available.You can view all aux contributions from a single channel by navigating to that channel's EDIT page and selecting the AUX SENDS screen / tab.

Select the AUX tab you wish to mix (AUX 1 to AUX 8), and then adjust the channel volumes (contributions from input channels). The AUX SEND fader on the right (orange fader) is the Aux Master channel fader - the overall output volume for your AUX mix.

Aux Master channel faders can be viewed together either with the AUX MASTERS button in the Tablet version Slideout panel, or from the JUMP TO option in the phone software slideout panel. You can also scrolling to the right-hand end of the Mix page channels. Aux Master channels can be renamed and stereo-linked (see below).

STEREO AUX
Stereo-linking channels is possible for both the input channel sends and the Aux Masters. To stereo link Auxes, use the Aux Master channel sub-menu (long-click/tap on the channel name).

Go to the channel pop-up menu (long click channel name) to access the Stereo Link feature. When 2 mono input channels are stereo-linked on the main MIX page, those channels will also be stereo-linked on the AUX SENDS page. (2 channels panned left & right with a green link line above the dB display).

FX ON AUX
It is possible to send FX to your aux mix. Scroll to the end of the channel list and you will see the FX RETURN faders.When adding the FX you are adding a global FX signal from the main mix.

CHANNELS > AUX SENDS

M-AUX / COPY MIX

Copy the main mix to this aux mix

This button copies the fader positions from the MIX page and moves all aux send faders to the same position on the AUX SENDS page. This is a handy starting point for an AUX mix rather than starting from all faders down.
You can press this button at any time if you want your monitor mix fader positions to resemble the MAIN mix. For safety, user confirmation is required.

PRE/POST (Tablet software)

Switch input channel's Aux contribution between PRE and POST sources

AUX channels are pre-fader by default, meaning the volume faders on the MIX page do not affect the aux levels. Press the PRE button to change individual channels to POST fader. A long press on the PRE/POST button opens a dialog for ALL CHANNELS TO PRE or POST.

AUX SEND MUTE (Tablet software)

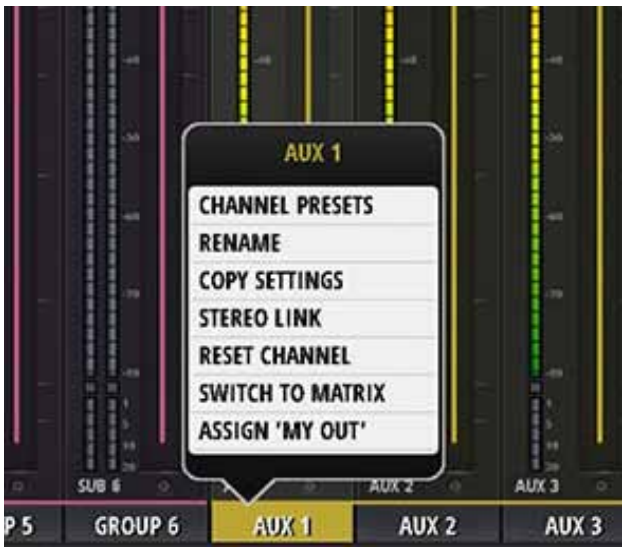
Mute the input channel's contribution to this aux mix.

Separate to the normal input channel mute - only affects contribution to the selected aux mix.

PRE/POST PROCESSING

Allows for selection for pre or post processing of the channel to be sent to the aux mix

CHANNELS > AUX POP MENU



CHANNEL PRESETS
Recall and save whole AUX channel settings - Factory and User preset banks.

RENAME
Rename the AUX channel. The new name will be shown in the AUX Name fields.

COPY / PASTE SETTINGS
Copy the AUX channel settings to the pasteboard. A 'PASTE SETTINGS' option will appear when you select another AUX channel sub menu. Use that to paste the copied settings to that AUX channel.

STEREO LINK
Link two AUX channels in Stereo. Left and Right channels will automatically pan hard Left and Right.

RESET CHANNEL
Resets channel to default setting.

SWITCH TO MATRIX
Switch selected AUX channel to Matrix mode.
AUX mode channel contributions to output > All input channels inc line in, Player and FX Masters
Matrix Mode> AUX, Subgroups and Master Left/Right

ASSIGN MY OUT
AUX channels can be assigned as your personal monitor or "MY OUT" from the channel pop menu. Only one "MY OUT" can be assigned per user but individual users can have different AUX channels set as their personal "My OUT". 'MY OUT" will also work for stereo linked channels which is perfect for IEMs.

CHANNELS > AUX SENDS

AUX SENDS

In Channel edit mode the AUX Sends tab will show the selected Channels sends to all AUX's creating an alternate Channel based AUX view.

CHANNELS > AUX MASTER CHANNEL

The Aux Master channel is the output path for Aux busses. In other words, the Aux 1 mix of contributions from all input channels passes through the Aux 1 Master channel before being sent out of the physical Aux 1 output. Ui24R has four Aux busses available, and Ui24R has six. The highest-numbered aux pairs (3/4 for Ui24R and 5/6 for Ui24R) are available as physical outputs when the HEADPHONES OUT option is set to 'AUX' in SETTINGS

PHONE

TABLET

Aux Master channels have their own EDIT channels, featuring a GEQ (Graphic EQ) rather than a parametric EQ, and dbx AFS2 feedback elimination (See section 5).

You can view all Aux Master channels either in the MIX screen (scroll to right) to by selecting AUX MASTERS from the tablet software Slideout panel or from the JUMP TO pop-up menu in the phone software Slideout panel.

CHANNELS > FX SENDS

FX SENDS faders effectively determine the amount of effect (delay, reverb, chorus) on each input channel. They work much like aux sends in that a mix of input channel contributions is created on the FX SENDS page - one for each FX processor. After processing, that mix is returned via its own FX Return channel, which works just like an input channel - adjusting the overall level of that processor's mix in the master stereo mix. The FX Return channel for the selected FX processor is shown in the FX SENDS view, next to the Master Channel.

All FX Return channels can be viewed either by scrolling in the main MIX view, by choosing FX RETURNS from the Slideout panel in the tablet software, or from the JUMP TO option in the phone software Slideout panel.

You can view all FX contributions from a single channel by navigating to that channel's EDIT page and selecting the AUX SENDS screen / tab.

In the FX SENDS page, first select which effect you wish to adjust using the tabs. Adjust the grey faders to increase or decrease the contribution of that channel to the selected FX processor. Adjust the blue FX RETURN fader labelled FXR 1 REVERB to control the total amount of REVERB heard in the mix.

Input channel FX Sends can be individually muted in the FX SENDS page.

NOTE: FX sends are POST FADER, meaning a change of level on the main mix page affects the level sent to the FX processor. This ensures that each input channel's contribution to the FX send is always proportional to its prominence in the main mix.

CHANNELS > SUB GROUP MASTER CHANNEL (4 x Sub Groups)

If you want to have control over the drum kit mix, for example, but also want single fader control over the whole kit's contribution to the mix, you would use a Sub Group.

When input channels are allocated to Sub Groups, either via the input channel sub-menu, or via the SUBS screen in the DASHBOARD/METERS page, they are mixed together into a single stereo channel.

Sub Group Master channels have their own EDIT channels, as per any other Ui input channel.

ASSIGN SUB GROUPS

Sub Groups are assigned within METERS>SUBS

CHANNELS > VIEW & MUTE GROUPS

VIEW & MUTE GROUPS
There are 6 View and 6 Mute groups available for users on the Ui24R. These can be navigated to via the Ui24R sidebar. Users can name the group, set the group number and elements of the group with this screen.

VIEW GROUPS

MUTE GROUPS

CHANNELS > MASTER CHANNEL

The Master Stereo Channel is the output channel for the main stereo (left & right) mix - determined by the input channel and FX Return channel faders and pan/balance controls. The Master Channel has its own EDIT page tabs, just like other channels (see section 5). The EQ for Ui Output channels (including Aux Masters) is a Graphic EQ (GEQ) rather than a parametric EQ (input channels and sub group masters).

The Master Fader (red fader knob) controls the overall output volume of your mixer. The actual level set by the fader is shown in the top display above the fader in dB (decibels).

PHONE

TABLET

Display & Indicators
As well as dB, this display also has 3 useful indicators:

CLIP (C)
Notifies you of any input gain clipping. When an input channel signal is too hot and likely to be distorting, press this display to jump to the DASHBOARD page. In DASHBOARD, press the word GAIN in the top right corner of the bank that is clipping, then reduce the channel GAIN fader.

MUTE (M)
This indicates that a channel is muted. Press the display to see the DASHBOARD overview where all mutes are viewable.

SOLO (S)
This indicates that a channel is in solo mode. Press the display to see the DASHBOARD overview where all SOLOS are viewable.

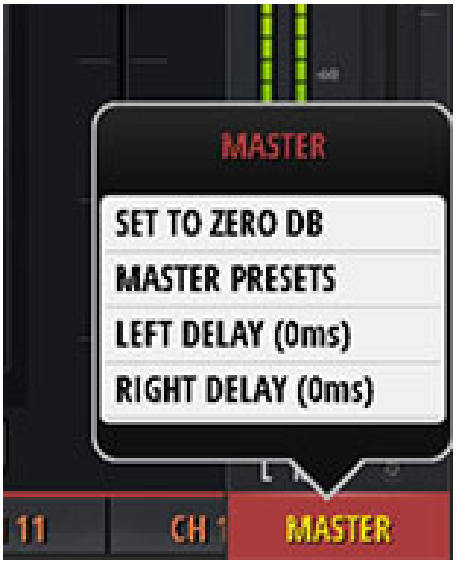
BALANCE (Tablet Software)
The horizontal Balance fader allows the volume of left and right to be increased or decreased, but the mix of left and right is un-changed. Double press the balance slider to return it to the centre position. To adjust balance in Phone Software, double tap the Master Channel name to access its EDIT page.

F1 & F2 Buttons (Tablet Software)
The picture shows F1 and F2 set as PLAY and RECORD (Ui24R). F1 and F2 are programmable buttons that can be used for multiple options. These options are selectable in SETTINGS > CONFIGU-RATION. The options are: New Snapshot, Update Current Snap-shot, Play, Record (Ui24R latest Firmware, Ui24R).
If Record is selected, press record to start recording directly to your USB stick. The REC button will highlight in red. You must have a USB stick mounted to make a recording.

DIM
When shown the DIM button will DIM (reduce) the output level by 20dB, this is generally used when monitoring in the Studio.

CHANNELS > MASTER CHANNEL > SUB MENU

By long-clicking/tapping on a the Master Channel name you can access the Master Channel sub-menu for access to the 'Set To Zero' function and the Master Channel Preset Manager.



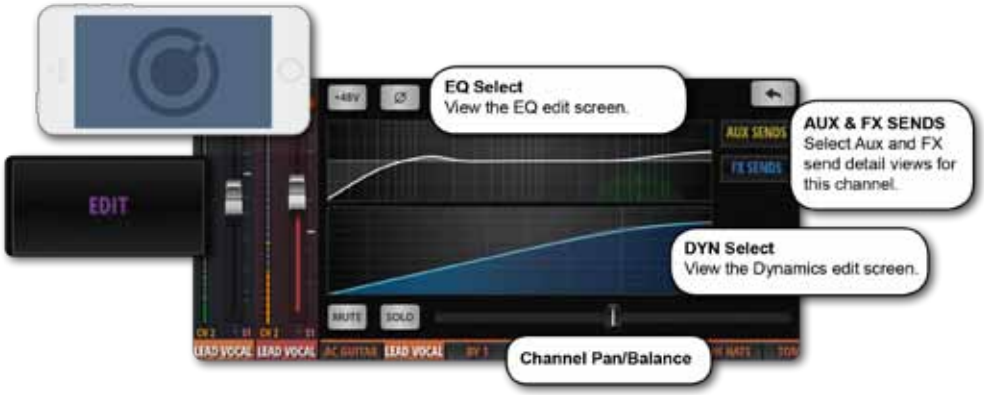
SET TO ZERO DB
This is a fast way to set the channel fader level back to zero dB. Click and Hold the MASTER channel name, then touch SET TO ZERO DB.

MASTER PRESETS
Save Master Channel setups as presets. Useful for building up a library of final-stage processing set-ups.

LEFT DELAY/RIGHT DELAY
Delay can be placed on the left and right output channels to allow for uneven speaker placement or odd shaped rooms. Click and Hold the MASTER channel name and then select Left or Right Delay and enter value in the entry modal and click OK.

CHANNEL EDIT

The EDIT page is the basic access point for channel-based signal processing: EQ, dynamics, and FX and auxiliary sends. The actual processing and options available depend on the channel type.
The selected channel strip will be shown on the left of the EDIT screen. In the phone software, the default EDIT page is a via-point for more detailed views and also offers access to basic channel parameters such as pan/balance, phase, phantom power, and more.



EDIT PAGE ACCESS

The EDIT page is available from a number of different Ui Software screens. To select the EDIT page directly either click/tap the EDIT button in the top-line navigation bar (tablet software) or select the EDIT menu item (phone software).

Alternatively you can:

• Double click/tap on a channel fader cap to navigate to channel EDIT mode EQ tab.

• Double click/tap on channel label (channel types: INPUT, LINE IN, PLAYER, SUB GROUP, AUX) to navigate to selected channel EDIT page DYN tab.

• Double click/tap on a channel label (channel type: FX RETURN) to navigate to selected channel EDIT page FX tab (Global FX parameters).

CHANNEL EDIT > DIGITECH

DigiTech input processing and channel view is available to the first two Ui mixer channels, and includes Hi-Z (high input impedance) selection for sources such direct-input guitar pick-ups.
The DigiTech processing includes amp modelling: Emulations of guitar amps (with associated parameters) and cabinets. The DigiTech view also allows single-view editing of selected channel features via the 'Jack-Plug Buttons'. Note: This is an AMP simulator, it's not a complete FX chain.

AMP SELECT

Choose a guitar amp model

Clicking or tapping anywhere on the guitar amp graphic will bring up a pop-up menu of available guitar amp models.

CAB SELECT

Choose a guitar speaker cabinet model

Clicking or tapping anywhere on the guitar cab graphic will bring up a pop-up menu of available guitar cab models.

HI-Z ON/OFF

Turn the Hi-Z input on or off

If you have an input source that requires a high impedance input - such as the direct output from electric guitar pick-ups - turn the Hi-Z option on.

CHANNEL EDIT > DIGITECH

DIGITECH ON/OFF

Turn DigiTech processing on or off

When DigiTech processing is turned off, the channel will revert to its standard input stage.

PRESETS

Open the PRESETS management pop-up

You can save and load settings presets for the DigiTech processing using this pop-up.

AMP CONTROLS

Adjust detailed settings for the selected amp model

The controls include GAIN, LEVEL, BASS, MID, and TREBLE. Use the GAIN control to overdrive the amp model.

CHANNEL CONTROLS

Single view editing of selected input channel controls

Available input channel sections are: FX, High Pass Filter, Notch Filter, Compressor, Gate

CHANNEL EDIT > PARAMETRIC EQ

EQ adjusts the amplitude of an audio signal at particular frequencies. Ui input channels, FX Return channels, and Sub Group master channels have a four-band parametric EQ, plus High Pass Filter (HPF), and a De-Esser controlled from the same screen. The display also incorporates an optional Real Time Analyser (RTA), which shows a spectral view of the incoming signal. In addition, the EQ can be switched to a three-band (fixed frequency, fixed Q) 'Easy EQ'.

EASY EQ ON/OFF

Turn Easy EQ feature on or off

Easy EQ is a three-band, fixed frequency, fixed Q mode with a Mid bell-type band plus low and high shelving bands. Switching Easy EQ OFF preserves the 'curve' in the parametric EQ, However, turning Easy EQ ON resets the current curve because parametric EQ settings cannot be mapped to the Easy EQ format.

RTA - REAL TIME ANALYSER

Turn RTA feature on or off

The RTA display shows a real-time spectral view of incoming audio. This is sometimes useful for targeting specific characteristics with EQ bands quickly. Note that RTA is only active on one channel at a time. If activated it will deactivate any other channel's active RTA (on other clients)

DE-ESSER ON/OFF

Turn De-Esser processing on or off

When off, no draggable De-Esser ball will be shown in the main EQ graphic interface.

CHANNEL EDIT > PARAMETRIC EQ

RESET

Reset the EQ to default values

The EQ is set ‘flat’, and frequency and Q values are reset to defaults.

BYPASS

Bypass the EQ section of channel processing

This control bypasses only the parametric EQ. HPF and De-Esser processing is unaffected.

EQ / DE-ESSER FADER CONTROL

Choose EQ or De-Esser fader control

Controls for whichever is selected are assigned to the three control faders. For EQ, the faders show values for the currently selected band.

DS - DE-ESSER BALL

Draggable graphic ‘ball’ for De-Esser control

Drag this graphic element to control. UP/DOWN adjusts Threshold, LEFT/RIGHT adjusts frequency; use a pinch-gesture or mouse-wheel/track-pad scroll on DE-ESSER ball to adjust the ratio value. Double-click/tap to reset.

1/2/3/4 - EQ BAND BALL

Draggable graphic ‘ball’ for EQ band control

Drag this graphic element to control. UP/DOWN adjusts Gain, LEFT/RIGHT adjusts frequency; use a pinch-gesture or mouse-wheel/track-pad scroll on the EQ ball to adjust ‘Q’ value. Double-click/tap to reset an individual band.

CHANNEL EDIT > PARAMETRIC EQ

HPF/LPF BALL

Draggable graphic 'ball' for High Pass and Low Pass Filter controls

Drag this graphic element to control. Left/Right adjusts Cut-Off frequency. Double-click/tap to reset. Right Hand side of the screen displays selectable slope.

HPF/LPF SLOPE CONTROL

High pass and low pass filtering is available to Ui24R users and is accessible through the Parametric EQ. High Pass means only allowing the higher frequencies to play through, Low Pass means only allowing lower frequencies to play through. By using these two filters on the Parametric EQ the user can tailor the sound to suit their specific PA setup.The Slope control alters the degree of filtering.

DE-ESSER THRESHOLD

Fader control of De-Esser Threshold

De-Esser threshold is the level at which the De-Esser starts to attenuate the 'ess' band. To access the De-Esser fader controls in phone software, tap the DE-ESSER SETUP button.

DE-ESSER RATIO

Fader control of De-Esser Ratio

De-Esser Ratio is the amount by which the 'ess' band is attenuated when the audio level crosses the Threshold. To access the De-Esser fader controls in phone software, tap the DE-ESSER SETUP button.

DE-ESSER FREQUENCY

Fader control of De-Esser Frequency

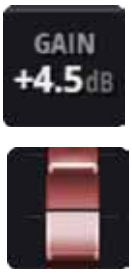
Determines the centre frequency of the De-Esser dynamic filter - the frequency on which the de-essing process is focussed. To access the De-Esser fader controls in phone software, tap the DE-ESSER SETUP button.

CHANNEL EDIT > PARAMETRIC EQ

EQ Q

Fader control of EQ ‘Q’

Q is effectively a measure of how tall and thin the bell shape of the EQ band is - the lower the Q, the wider the bandwidth affected, and vice versa. Fader control of EQ is only available with tablet software. Double-click/tap to reset.



EQ GAIN

Fader control of EQ Gain

The amount by which the selected EQ band is either boosted or attenuated. Fader control of EQ is only available with tablet software. Double-click/tap to reset.

EQ FREQUENCY

Fader control of EQ band Frequency

Fader control of EQ is only available with tablet software. Double-click/tap to reset.

CHANNEL EDIT > GRAPHIC EQ

Ui Aux Send Master channels and the Stereo Master Channel incorporate Graphic EQ (GEQ) instead of the parametric EQ of the input channels. This includes 31 fixed frequency bands (which can be scrolled across the screen) with adjustable boost/cut. In addition, the GEQ screen gives access to the dbx AFS^2 (Automatic Feedback Suppression) processing. The display also incorporates an optional Real Time Analyser (RTA), which shows a spectral view of the incoming signal.

HPF/LPF

Master Outputs and Aux/Matrix Out 1/2

HPF and LPF can be dragged to setup crossover points and filters

RTA

Activate the Real Time Analyser feature

The RTA display shows a real-time spectral view of incoming audio. This is sometimes useful for targeting specific characteristics with EQ bands quickly.

RESET

Reset the GEQ to ‘flat’

CHANNEL EDIT > GRAPHIC EQ

BYPASS

Bypass the GEQ processing

dbx AFS^2 SETUP

Set up and operate the feedback elimination system for this bus.

Only available with tablet software. See section 5.3.1 for more detail.

PRESETS

Save / load GEQ presets

Brings up a standard preset management pop-up box.

SCROLLING SCREEN
In those scenarios where the users interface is unable to fit the full Graphic EQ. It can be accessed by scrolling along the parameters to make use of the full range of frequencies.

HPF and LPF
The Graphic EQ of AUX/Matric 1 and 2 and Master out can be used to set up crossover frequencies for the Aux/Master channels.

CHANNEL EDIT > GRAPHIC EQ > AFS2

AFS2 is a dbx feedback suppression system that uses 12 intelligent filters to detect and eliminate feedback across the audio spectrum. You can set AFS2 up on the master stereo output and/or Aux bus master channels by navigating to the channel's Edit screen and selecting the EQ tab.

AFS2 works in two modes. **Fixed mode** is used for 'ringing out' a system *before* a performance to ensure maximum headroom. **Live Mode**, continuously updates filter placement and is used *during* a performance.

Live filters are smarter than Fixed filters. They have the ability to detect feedback within complex program material. This makes them ideal for protecting the system from feedback as conditions change during the performance. Live filters can also detect when they are no longer needed and remove themselves from the chain, effectively restoring sonic fidelity and freeing up Live filters for use elsewhere.

In normal operation, you would setup AFS2 in Fixed mode before a performance, then switch to Live mode for the actual performance.

Ringing Out The Sound System
Fixed filters are set before a performance in a process called 'ringing out a system'. This is done after all other system EQ has been performed. Ringing out the sound system for feedback before use allows you to squeeze more gain out of the system before the onset of feedback and can help ensure you're not right at the edge of feedback during system use.

dbx AFS2 SETUP

Set up and operate the feedback elimination system for this bus.

A dialogue box will open up with setup options.

CLEAR FILTERS

Clear the AFS2 filters for a new performance / set-up

All filters need to be cleared before normal set-up. However, you can also reset the Live and Fixed filters independently, depending on need.

CHANNEL EDIT > GRAPHIC EQ > AFS^2

AFS^2 MODE

Choose LIVE, FIXED, or LOCK

Fixed mode is for pre-performance set-up, Live mode is for use during performance, and LOCK prevents changes to the current filters status.

SENSITIVITY

Adjust the input level feeding the AFS^2 detector and make AFS^2 more or less prone to mark a signal as feedback.

Setting this parameter high will allow AFS^2 to detect the feedback and notch it out more quickly. Conversely, setting it low will cause AFS^2 to be a little more hesitant to set a filter on the feedback until it reaches a higher level.

ON/OFF

Turn ON the AFS^2 process.

You must make sure AFS is switch ON to use the process.

Manual AFS^2 Set-up in FIXED mode (Ringing Out The System)

1) Make sure all filters are cleared and set the AFS^2 process to Bypass using the blue bypass button.
2) Perform a sound check and set up a rough mix for all microphones that will be active during the performance. Take note of the output fader position for the aux master or stereo master that you are ringing out – your TARGET GAIN will be around 5dB above this (see step 6).
3) If noise gates are being used on active mics – including inside FX processors, bypass them before ringing out the system. You can re-enable them once the ring-out procedure is complete.
4) Have the musicians stop playing and fully lower the master bus faders. NOTE: When ringing out the system in Fixed Mode, any sustained sound detected by AFS^2 will trigger Fixed filters to be set. Therefore, make sure the microphones are active, but there is no appreciable signal present at the mics.
5) Ensure the musicians are not playing, then set the FILTER MODE parameter to FIXED.
6) Un-bypass the AFS^2 process then slowly raise the master fader until you reach your target gain (described in step 2) or run out of Fixed Mode filters, whichever happens first.
7) Lower the Master bus fader back to performance level.
8) Set the FILTER MODE parameter to LIVE. The system is now ready for use and any available Live filters will be available for on-the-fly feedback suppression during the performance.

AFS2 has a dedicated preset manager whereby users LOAD/SAVE/RENAME/DELETE AFS2 presets to connected USB media.

To load/save/rename/delete AFS2 PRESETS:
- Go to any AUX or the MASTER EQ edit page
- Click/tap the AFS2 SETUP button
- Click/tap on the PRESETS button found in the middle of the AFS2 filter display modal
- Use the PRESETS manager to LOAD/SAVE/RENAME/DELETE AFS2 presets to connected USB media

CHANNEL EDIT > GATE

The Ui24R Gate section is accesible via the Edit Tab on the top toolbar. A Gate is a threshold-driven gain reduction process normally used to attenuate a signal when its level falls below the Threshold. Setting the Threshold just above a noise floor or background noise, for example, will allow the Gate to attenuate the source during periods when the main input (voice, instrument etc) is silent.

THRESHOLD

Adjust the Threshold of the gate

The tablet version of the software includes a horizontal THRESHOLD fader. You can drag the orange 'T' ball in the dynamics graphic in both phone and tablet versions.

ATTACK

Adjust the Attack of the gate

The attack time controls the speed of the gate opening. The time is in microseconds, under one second. A gate that opens too quickly on a slower signal attack can produce a click sound. The simple solution is to extend the attack time until the click sound disappears. Consider very fast attack times for percussive instruments and slower times (10 ms or more) for everything else.

HOLD

Adjust the Hold time.

The hold time is the minimum time the gate is held open. Hold time is often set to a minimum of 20-30 milliseconds to prevent chatter. Chatter is the constant opening and closing of a gate due to a high-speed fluctuating signal level.

CHANNEL EDIT > DYNAMICS

DEPTH

Adjust the gate Depth

RELEASE

Adjust the Gate Release

This is the speed at which the gate returns to 'no attenuation' after the signal level has fallen below the threshold level.

GRM - METERING

Gain reduction metering

There are three meters: Input signal, output signal, and a meter showing the amount of attenuation currently being applied due to the dynamics processing.

RESET

Reset the Dynamics for this channel to default values

BYPASS

Bypass the Dynamics for this channel

SOFT KNEE / HARD KNEE

Set SOFT KNEE or HARD KNEE mode for the compressor

This determines how threshold level is interpreted. HARD KNEE mode means that the threshold represents an abrupt transition. SOFT KNEE means that it represents a gradual transition.

CHANNEL EDIT > DYNAMICS

PRESETS

Save / load Dynamics presets

Brings up a standard preset management pop-up box.

CHANNEL EDIT > COMPRESSOR

The Ui24R Compressor section is accesible via the Edit Tab on the top toolbar. A compressor is a threshold driven process used to reduce the dynamic range of a signal by applying gain reduction when the signal level exceeds the threshold and applying 'make-up gain' to keep the overall level consistent. You can use compression to increase the apparent loudness of a signal without increasing the peak level, or to control overly dynamic sources.

THRESHOLD

Adjust the Threshold of the compressor

The tablet version of the software includes a horizontal THRESHOLD fader. You can drag the orange 'T' ball in the dynamics graphic in both phone and tablet versions. This refers to how loud the signal is before compression is applied.

ATTACK

Adjust the Attack of the compressor

The attack time controls how quick it takes for the compressor to work. The time is in microseconds, under one second.

RATIO

Adjust the compression Ratio

How much compression is applied. For example, if the compression ratio is set for 6:1, the input signal will have to cross the threshold by 6 dB for the output level to increase by 1dB.

CHANNEL EDIT > COMPRESSOR

RELEASE

Adjust the Release of the compressor

How soon after the signal dips below the threshold the compressor stops.

GAIN

Adjust the Gain of the compressor

Allows you to boost the compressed signal. as compression often attenuates the signal significantly

HOLD

Adjust the Hold time.

The hold time is the minimum time the gate is held open. Hold time is often set to a minimum of 20-30 milliseconds to prevent chatter. Chatter is the constant opening and closing of a gate due to a high-speed fluctuating signal level.

PRESETS

Save / load Dynamics presets

Brings up a standard preset management pop-up box.

CHANNEL EDIT > AUX/FX SENDS

The AUX and FX SENDS tabs in the EDIT screen are a convenient way to access all output contributions for a single channel - as opposed to the 'mix view' approach of the dedicated AUX SEND and FX SEND pages. The AUX SENDS view/tab for both phone and tablet software versions includes PRE/POST and MUTE buttons for each send.

The FX SENDS view/tab for both phone and tablet software versions offer MUTE buttons and selections for editing the settings of the different FX processors. In the phone software, clicking/touching one of these takes you to an additional detail view to edit that FX processor.

For details on the internal FX processors, please see section 7.

Patches can be set up for Local inputs, Multitrack USB A and Multi-track USB-DAW

Quick reset and Patch 1:1 make setting and resetting patches a one touch solution.

LOCAL
The Patching screen enables the user to select either the input source 1-20 or L/R Line In for each channel. By selecting CHANNEL/EDIT/PATCHING the user will be able to nominate the selected source for each channel

OVERVIEW
The Overview Tab will give the user, at a glance, a full overview of the patches and connections that have been set up. These can be edited on the overview screen with all changes being global

USB-A
2 Track or Stereo USB files can be patched to available slots 1-22 using CHANNEL/EDIT/USB-A

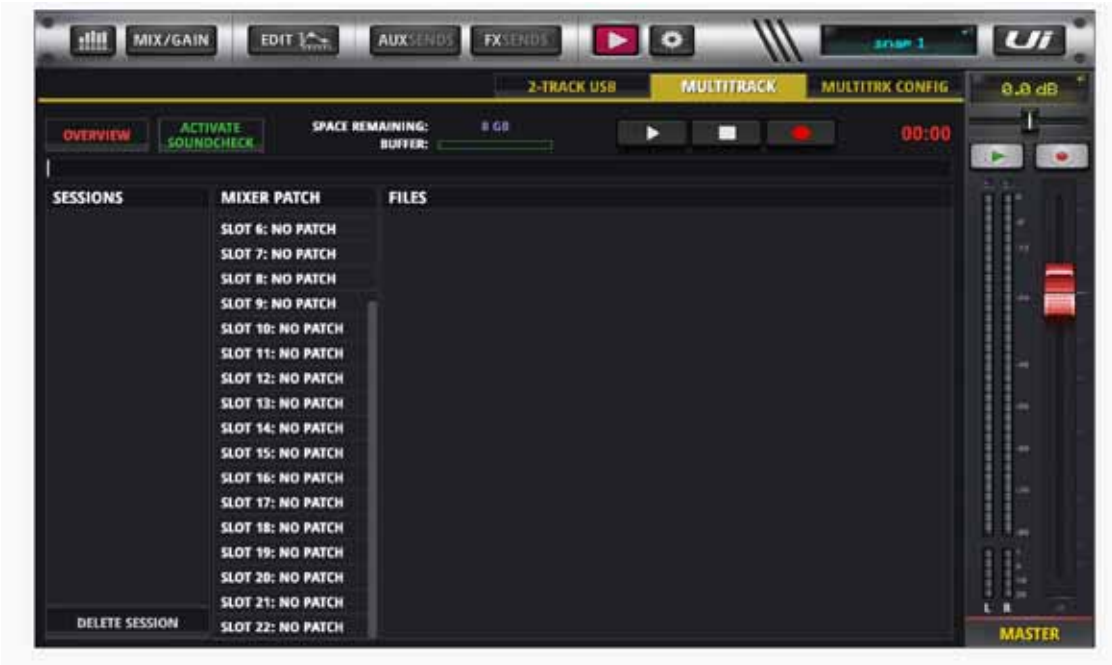
USB-DAW
Multitrack USB files can be patched from your DAW to available Slots 1-32 using CHANNEL/EDIT/USB-DAW

RESET
Reset will quickly reset the patch screen to its default setting..

PATCH 1:1
Patch 1:1 makes easy work of patching by creating a 1:1 connection of physical inputs to mixer channels for all channels.

SOUNDCHECK

Soundtcheck is basically another set of patches. It can be used to set up a trial mix via pre-recorded files on USB for example or work on a straight live soundcheck or a mixture of both. Setup is the same as it is for normal patching applications. Once the Soundcheck mode is engaged the selection panel will be green. There are two ways to activate Soundcheck either through the SETTINGS>PATCHING>OVERVIEW PAGE or the PLAYER>MULTITRACK PAGE



SOUNDCHECK ASSIGN PAGE
The Soundcheck Assign page assigns the soundcheck patch for the selected channel.

SOUNDCHECK INDICATOR
The Soundcheck Indicator is located in the top left corner of the Level 1 LCD Panel. This will appear to indicate when the Ui is in Soundcheck Mode.

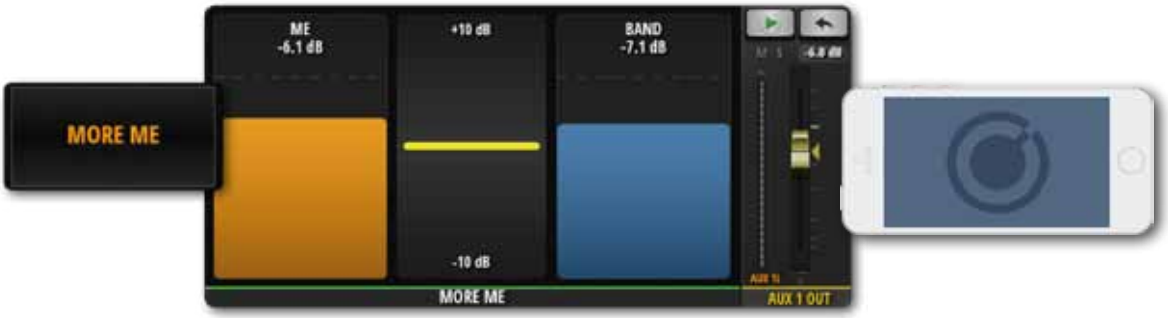
MIX FEATURES > VIEW & MUTE GROUPS

In Ui software you can mute channels individually, or in Mute Groups. There are six Mute Groups available to be assigned to any muteable channels. To mute all channels in a Mute Group, simply select the required Mute Group button. View Groups work in much the same way, though these define mixer channel views. For example, you could assign all vocal channels, plus an aux master to View Group 1 for instant recall. The 'INPUTS', FX RETURNS, SUB GROUPS, and AUX MASTERS buttons available in the Slideout panel are simply convenient preset View Groups.

To assign Mute Groups, View Groups, (and Sub Groups) navigate to the assignment page. In Tablet software, choose the appropriate tab on the Meters page or long-click/touch the respective group button in the Slideout panel. You can then choose groups and assign channels to them as required.

MIX FEATURES > MOREME

MOREME allows users to assign their own channels (which may include a vocal mic and an instrument channel for example) and mix the balance of those channels with a single large fader. This is a simple way to mix your own sound against other band members.



To view MOREME in the phone software, open the NAV menu and press MOREME, or it can be accessed from the AUX SENDS screen with a double press on the green AUX MASTER fader. Double press the blank section in between the MOREME faders to return to the AUX SENDS screen. In the Tablet software, choose MOREME from the Slideout panel.

MOREME can be displayed in both landscape and portrait orientations. Landscape is accessed from the NAV menu, whereas anytime you turn your phone to portrait orientation, the MOREME page is shown in portrait view.

For MOREME to work, you first need to assign your ME channels. Do this from a channel sub-menu in the MIX page. Long-press a channel name for the channel sub-menu, then select ASSIGN ME.
Next you need to assign your aux output. Still in the MIX screen, scroll along to the AUX MASTER faders, Long press on your AUX Master output channel and select ASSIGN ME OUT.

When a channel is assigned to MOREME, its channel name is displayed in orange colour.

“MOREME” Portrait Mode ON/OFF

It is now possible to define whether MOREME is displayed automatically in portrait mode on devices offering orientation support. Some users prefer to operate fader view pages (MIX, AUX, FX) in portrait display orientation so the faders are “long throw”.

MOREME Modes:
MOREME ON - Portrait mode orientation will automatically display the MOREME page
MOREME OFF - Portrait mode orientation will display the regular GUI with extended faders. Some features of the GUI display will be “grayed out” and restricted from view due to the dimension limitations.

Changing the MOREME Mode:
- Go to the SETTINGS-->SETTINGS tab page

- Set the MOREME PORTRAIT MODE option to ON/OFF

FX EDIT

Digital FX are used in all types of audio to help create depth and colour to a mix. The Ui24R has three internal Lexicon FX processors: Reverb, Delay, and Chorus. The Ui24R has an additional processor that can either be an additional reverb or delay.

There are dedicated FX Sends and Returns for the internal FX - simply adjust the corresponding FX Send level and bring up the level of the FX Return channel to incorporate FX into your mix.
See section 4.4 for more details of FX Sends.

FX Edit panels have Preset Save / Recall, and Fader-based parameter adjustment with numeric LCD-style numeric display.

FX EDIT > REVERB

Reverberation (or “reverb” for short) is the complex effect created by the way we perceive sound in an enclosed space. Reverb is dependent on many features of that space, including the size, shape and the type of materials that line the walls. Reverb is a natural component of the acoustic experience, and most people feel that something is missing without it.

TIME

Reverb Time (milliseconds)

The amount of time it takes for the reverberation tail to decay. Reverb time is an aural indication of the type of space - large effective spaces have longer reverb times than small absorbent ones.

HF

HF Damping

By damping the high frequencies you can ‘tune in’ a more natural reverberation.

BASS

Bass Gain

Adding bass to a reverberant signal can help thicken audio that is been weakened by the reverberation algorithm, or create greater clarity in low frequencies that is sometimes masked by reverberation.

LPF

Low Pass Filter Frequency

Higher frequency settings increase high frequency response, creating brighter reverbs; lower frequency settings create darker reverbs with more bass frequency emphasis.

HPF

High Pass Filter Frequency

Reduce ‘rumble’ and undesirable muddiness by cutting the low frequencies.

FX EDIT > DELAY

Delays repeat a sound a short time after it first occurs. Delay becomes echo when the output is fed back into the input (feedback). This turns a single repeat into a series of repeats, each a little softer than the last. The Ui delay time is set in Milliseconds or in musical values. Press the DIV display to access a drop down box with the available musical note values. Press the TAP TEMPO button repeatedly to tap in the desired delay time. (This is usually done in time with the music.) Press and hold the TAP TEMPO button to manually type in the delay time in BPM.

TAP / BPM

Delay Tempo

A delay time setting that uses a 'tapped' tempo as a guide. Tap the 'TAP TEMPO' button to set the delay time.
The TAP TEMPO button is also available in the control software SlideOut panel.

TIME

Delay Length

Delay time set in milliseconds.

DIV

Length Subdivision

Delay time set as a musical sub-division of the tempo. Press the DIV display to access a drop down box with the available musical note values.

FBACK

Controls the number of delay repeats by feeding the delay output signal back into the delay input

This creates a series of delay repeats, each slightly attenuated until they become inaudible. Higher settings create more repeats; lower settings reduce the number of repeats. When this knob is turned fully clockwise, it engages Repeat Hold – delay repeats play back in an infinite loop, but no further input signal is introduced into the delay effect. Repeat Hold is available only on Studio, Mono and Pong Delay.

LPF

Low Pass Filter - Frequencies above this are filtered / removed

Cut the high frequency content by adjusting the cut-off frequency of a shelving filter.

FX EDIT > CHORUS

Chorus creates a lush, full sound by combining two or more signals together where one is unaffected and the other signals vary in pitch very slightly over time. Chorus is commonly used to fatten up tracks and to add body to guitars without colouring the original tone. Chorus can also be used with discretion to thicken a vocal track.

DETUNE

Amount of deviation from the pitch of the original signal

DENSITY

Adjust the density of the chorus effect

The more dense the chorus, the thicker and richer the result will be.

LPF

Low Pass Filter - Frequencies above this are filtered / removed

Cut the high frequency content by adjusting the cut-off frequency of a shelving filter.

FX EDIT >

EFFECTS SCREEN

The Effects Screen has four effects patches. The first patch is fixed with a high quality Lexicon reverb but the other three are assignable.

Click and Hold on the effect name will bring up a menu for quick selection of Reverb or Delay

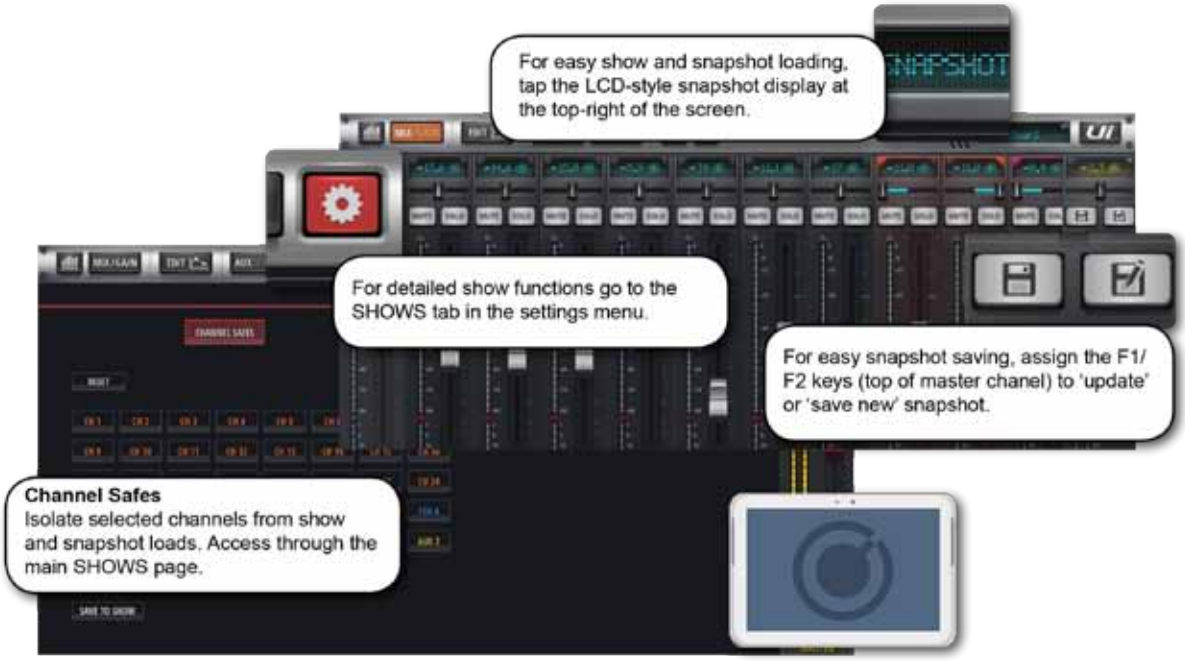
Click and Hold on the effect name will bring up a menu for quick selection of Delay or Chorus

Click and Hold on the effect name will bring up a menu for quick selection of Room or Delay

SHOWS & SNAPSHOTS

A SHOW is a collection of SNAPSHOTS. A SNAPSHOT is a record of every setting on the console. You can save and recall snapshots and shows via the Ui control software - Phone or Tablet.

A snapshot remembers every setting of your mixer at one time. A common usage for snapshots is to have one snapshot per song. So your snapshot list could look exactly like your song list.
At the end of each song, change to the next snapshot and every setting on the mixer is ready for that song to start.



The SHOWS & SNAPSHOTS page is accessible in the tablet software from the SETTINGS page OR by tapping/clicking the LED display in the top navigation bar (which displays the name of the currently loaded snapshot). The quick key to the snapshots pop-up is [8]. You can also assign an F1 or F2 key (top of Master Channel) to update the current snapshot or create a new one. In the phone software, simply tap the disk icon or assign the SlideOut F1 key to a snapshot function.

SHOWS & SNAPSHOTS

The unit ships with the Default Show loaded, and the * Init * snapshot. It is a good idea to create a new Show to work with and use the Default Show is an easy route back to default settings.

To set up a show, from a SHOWS & SNAPSHOTS view (Settings) select SHOWS and press the NEW button. Then name your show.

In the SHOWS AND SNAPSHOTS page you can create, load, delete, and rename shows and snapshots.

Now take a snapshot by pressing the SAVE button (next to the SNAPSHOTS column or in the SNAPSHOTS view). You can also assign the Update Snaphot and New Snapshot functions to the F1 and F2 keys (Settings menu).

Loaded Shows and Snapshots are shown in red text.

When you take a snapshot, it is saved inside the current Show.

Snapshot delete operations only work on Snapshots in the curent show. If you try to delete a Snapshot from a Show that is not loaded, an error message will appear.

USB Import / Export
You can export shows to and import Shows from a USB drive inserted into the USB port in the main unit. To Export, select the Show in the Show List, Touch EXPORT, then select the USB drive and touch OK. To import, touch IMPORT, select the Show you wish to import, then touch OK.

Channel Safes
Activating a channel safe means the highlighted channel will not change when a new snapshot is recalled.

You can configure select Channel Safes, and save them to the current show, via the CHANNEL SAFES view (accessed through the main SHOWS & SNAPSHOTS page).

AFS2 Preset manager
AFS2 settings are no longer saved in a SNAPSHOT /SHOW.

AFS2 now has a dedicated preset manager whereby users LOAD/SAVE/RENAME/DELETE AFS2 presets to connected USB media.

To load/save/rename/delete AFS2 PRESETS:
- Go to any AUX or the MASTER EQ edit page
- Click/tap the AFS2 SETUP button
- Click/tap on the PRESETS button found in the middle of the AFS2 filter display modal
- Use the PRESETS manager to LOAD/SAVE/RENAME/DELETE AFS2 presets to connected USB media

PLAYBACK & RECORDING

The Ui mixer has built-in media factilities. The Ui24R can playback via a USB memory stick, and the Ui24R can play and record. The player can be used for backing tracks or for background music in between sets, for example, while the Record facility records the main stereo mix. Playback is via the PLAYBACK L and PLAYBACK R channels - these are normal input channels dedicated to the USB playback function.

The Record (Ui24R) and Playback features use one or two USB Memory sticks placed in the USB sockets on the Ui hardware. The Ui24R has both play and record sockets on the front panel, the Ui24R has a USB 'PLAY' socket. There are two more USB sockets on the side panel of the unit.

Press the MEDIA icon to enter the player page, or go via the PLAYER menu button in Phone software.

Files can be played from a playlist or directly from the file list.

Menu Pop-up
Press and hold the PLAYER channel name to bring up the channel menu. The menu items are:

Disable Stereo Link
This feature separates the stereo channel into two mono faders. This is useful for musicians who want the audio on one channel and a click (tempo) track on the other channel.

Place Before Inputs
This useful feature moves the Player fader before Channel 1, so it is the 1st fader in the mixer.

File Types
Audio files must be saved to the USB stick as either WAV, AAC, MP3, OGG, AIFF, or FLAC files. Once this

is completed, insert your USB stick into the USB slot labelled PLAY on the top of the Ui hardware and your song files will be shown in the USB media files column.

F1 & F2 PLAY

In the tablet software the F1 & F2 buttons above the Master fader(and in the phone software the F1 button in the SlideOut panel) can be assigned to play next song (in the SETTINGS > CONFIG/SETUP screens). If the player is set to manual, then the player will stop at the finish of each song. Pressing the F1/F2 play button will play the next song in the list. This allows the musician to play the next song in his set without having to view the player page.

Manual / Auto

Manual mode means the player will stop playing at the end of each song.
Auto mode means the player will automatically start playing the next song in the file list.

Cue

The Cue button is a jump to next song feature. CUE is only needed when working in manual mode.
It allows the next song to be played using the F1 or F2 PLAY button (above the Master fader), without having to jump to the media player page before every song.

Recorder

Recording of the Master Stereo Output can be activated with a RECORD button. You can assign F1 and/or F2 buttons to this function or use the large side panel view player mode.

2TK USB

2-Track Stereo USB recording is available on the Ui24R.
New shuffle button.

MTK USB Record

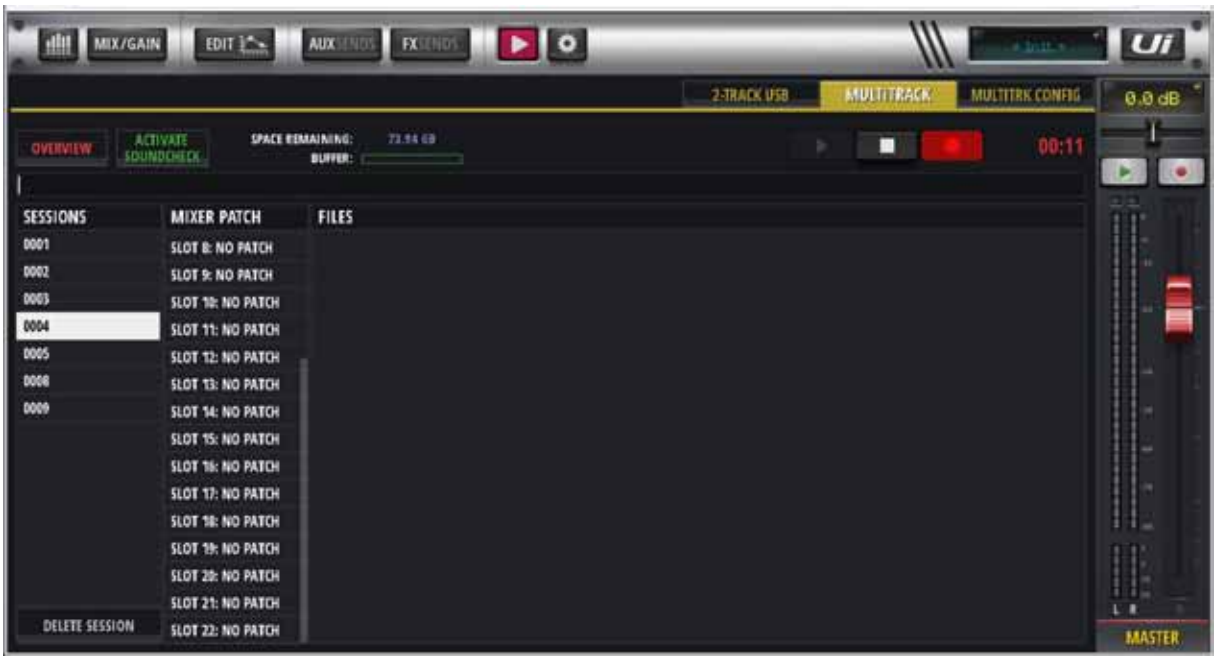
Along with 2-Track stereo recording, the Ui24R can also multitrack record up to 22 separate tracks which can then be imported into any DAW software for further processing or mastering.

MTK USB Playback

Individual multitrack recordings can be played back through the GUI and remixed. Perfect for making a trial mix in a new venue before the musicians roll up or for use as backing tracks.

Note. MTK Playback and Record USB stick needs to be inserted in the front recording slot and to enable 22 simultaneous tracks to be recorded, the USB write and read speed off the inserted media must be compliant (the buffer setting in the mixer interface will indicate buffer size and any write speed issues.

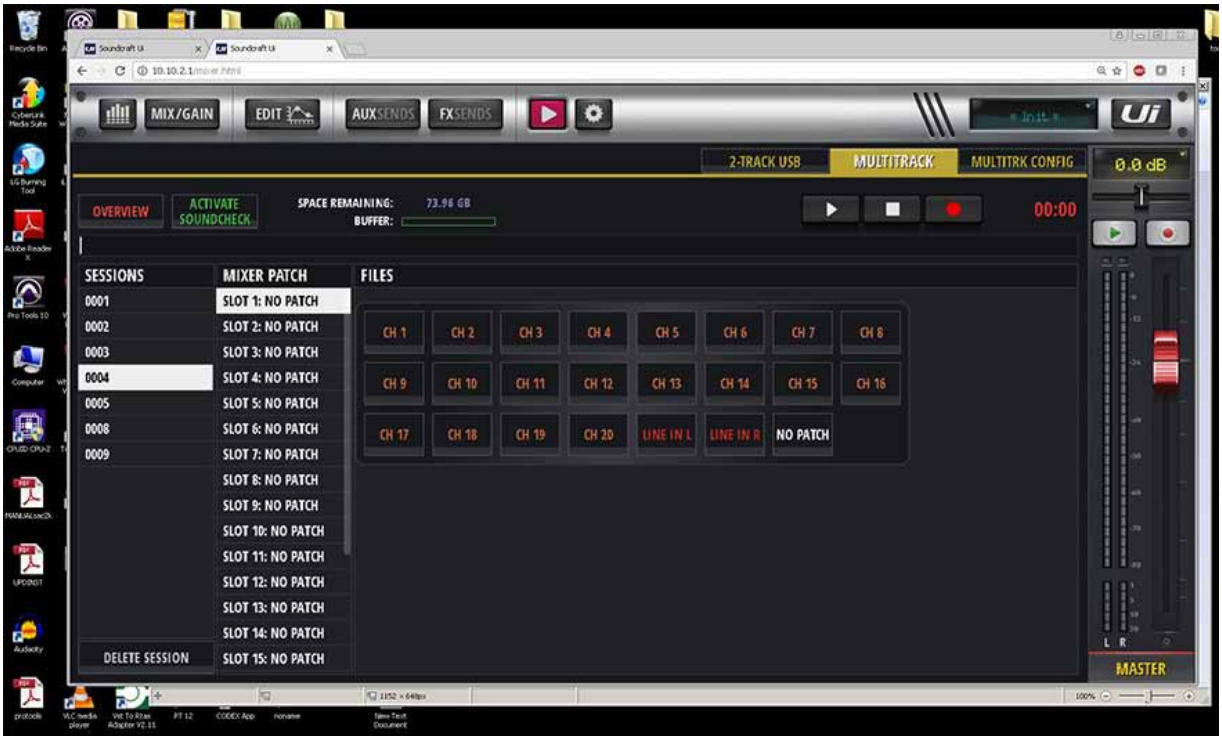
MTK PLAYBACK & RECORDING



MULTI-TRACK PLAYBACK & RECORDING FROM USB

The Ui24R can playback and record multi-track from USB up to 22 tracks. Patches will be set by double clicking a mixer patch slot which will open up the mixer patch assignment modal. Any changes will be universal. Sessions, Mixer Patches and Files are all displayed on this screen.

By clicking on a session number, **playback** will commence once the play icon is activated and stopped with the stop button, **Recording** will commence or stop by activating the record button.



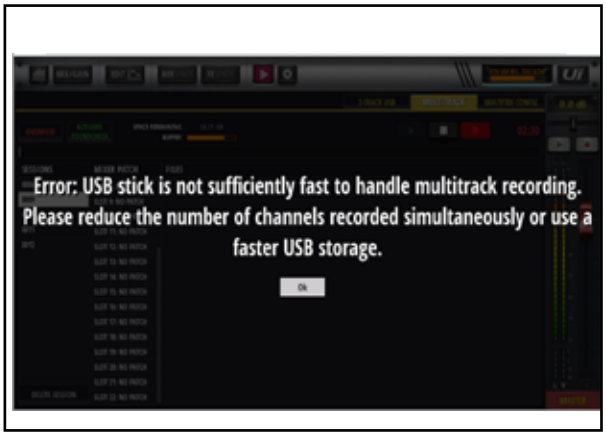
PLAYBACK & RECORDING

USB STICK COMPATIBILITY

The Ui24R is compatible with most USB sticks for 2 track playback and recording. Multi-track USB Playback will require a minimum of USB 3.0 with a transfer rate of 25mb/s.

SPEED BUFFER INDICATOR

The Speed buffer indicator will monitor the transfer rate during USB Playback and Recording. As the buffer value increases the Speed buffer indicator will change from Green to Yellow to Orange to finally displaying an error message. The minimum requirement for Multi-track transfer rate is 25mb/s.



PLAYBACK & RECORDING FROM USB-DAW

Patching of USB-DAW can be done within an individual channels Patching Screen

USING THE USB-DAW PROCESSING AS AN INSERT WITHIN THE Ui24R

This screen allows the user to adjust the input level when they are using their DAW processing as an insert on an input channel.

SELECTING INPUT CHANNELS ON YOUR DAW

When recording to DAW via USB

Channels 1 - 2 will be Master Left/Right fader

Channels 3 - 10 will be AUX 1-8

Channels 11 - 32 will be Channel 1 onwards

SETTINGS

The SETTINGS page allows the user to manage basic setup configurations, network parameters (including the password setting for the WiFi access point), GUI preferences, and access permissions on a per-user basis. Phone and tablet software versions display the settings in slightly different forms, but al are accessible on either platform. The sub headings used in this section refer to the Tablet software.

SETTINGS PRESETS

You can save your GUI settings to, and load your GUI settings from a USB memory stick by touching the PRESETS button in the corner of the Settings page. This will open up a standard save / load screen.

GLOBAL

HEADPHONES OUT

HP CHANNELS

Select between L/R or R/L headphone split.

SOLO MODE

SINGLE, MULTIPLE

SINGLE deactivates any previous solo when a new one is pressed. MULTIPLE is an accumulative solo mode (previous solos are not deactivated).

SOLO TYPE

AFL, PFL

Choose a Solo type for channel solos. PFL (Pre Fade Listen) is a 'tap' before the channel fader, so you can monitor the channel signal without having to push the fader up. AFL (After-Fade Listen) is a tap after (and affected by) the channel fader.

2 TRK RECORD MODE

32-bit, 24-bit, 16-bit

Choose a sample rate for the media recording function.

AUX SEND MUTE INHERITENCE

Aux mute affecting global settings can be set to on or off in post mode only. The inheritance means taking the mute button status from the main mixer to the Aux send as well or mute should be handled individually in each mixer (Main and Aux)

HEADPHONE 1 and 2 VOLUME CONTROLLERS and SOLO level

The volume for Headphone out 1 and 2 can be controlled within the GUI. The headphone volume pot on the interface controls the volume for Headphone 1 output only. Solo controls the level of Solo to the head-phones

SETTINGS

GUI PERFORMANCE

FRAME RATE

FULL, 1/2, 13, 1/4

Choose the highest frame rate that your device can reproduce for best performance.

DISABLE RESCALING

ON, OFF

Enable/Disable display rescaling. Disable this if your display is struggling with GUI movements..

DISABLE LED METERS

OFF, ON

If you are using a slower CPU, you may wish to turn off the LED channel meters to reduce CPU usage.

LOCAL

MASTER LOCK

ON, OFF

When ON, the Master Channel fader is locked in place. Other parameters are still changeable.

HOLD FADER FOR FINE TUNING

OFF, ON

Allow fader fine tuning mode.

METER QUANTISATION

OFF, ON

Choose between quantised metering - rather like an LED bargraph - or non-quantised (continuous).

FADERGLOW

OFF, THIN, NORM

Options for the coloured lines under the faders. 1. On, 2. Thin and 3. Off. These lines are handy to quickly see which group of faders you are viewing (blue for FX, orange for AUX, and so on).

SETTINGS

DISABLE VU INPUT LEVEL
OFF,ON
Disable/Enable input level VU meters.

DISABLE VU PEAK
OFF, ON
Disable / Enable the peak indicators for VU meters.

HIDE COMP/GATE
OFF, ON
When off, the channel meters include shorter red LED gain reduction metering below the primary meters.

DIM LED METERS
OFF, ON
Turn on to lower the intensity of the metering colours.

PIN SLIDEOUT IN MIX MODE
OFF, ON
When this option is on, your mixer page will always display the Ui SlideOut without having to re-open it each time you go back to the main mix screen.

PIN SO FOR AUX/FX SENDS
OFF, ON
When this option is on, your Aux Sends page will always display the Ui SlideOut without having to re-open it each time you go to that screen.

KINETIC SCROLL
OFF, ON
Allow screen to continue scrolling after release. Ensure the screen is not scrolling for channel sub-menu selection.

MIXER SCROLLING
1 FINGER, 2 FINGERS
For more stability across the mix screen, you can yet the swipe mode to two fingers.

PATTERNED BACKGROUND
OFF, ON
Enable, disable patterned background.

MOREME PORTRAIT MODE
OFF, ON
Enable,disable Moreme portrait mode.

SETTINGS

PEDAL FUNCTION

MUTE FX
Enable pedal to mute FX
MUTE ALL
Enable pedal to mute all channels
PLAY
Enable pedal to activate USB playback
RECORD
Enable pedal to activate USB record
TAP TEMPO
Enable pedal to set delay tempo via tap tempo function
MTK PLAY
Enable pedal to activate MTK playback from USB or DAW
MTK RECORD
Enable pedal to activate MTK record to USB or DAW

BUTTON FUNCTION

F1, F2

NEW SNAPSHOT, UPDATE CURRENT SNAPSHOT, PLAY, RECORD, MTK PLAY, MTK RECORD

Choose functions to assign to the F1 and F2 buttons. On the tablet software these buttons appear at the top of the Master Channel. In the phone software only F1 is available; F2 is always the MENU or RETURN button.

LANGUAGE

ENGLISH, CHINESE

The default language for Ui software is English, but here you can change to Chinese language version. The browser will automatically refresh when these options are selected.

GLOBAL PRE-FADE AUX SEND POINT – PRE-PROCESSING OR POST-PROCESSING

The AUX send signal can now be defined gloabally as Pre-Processing or Post Processing.

Pre-Processing - The AUX send signal does not include any EQ/DYNAMICS that has been applied to the channel
Post-Processing - The AUX send signal includes any EQ/DYNAMICS that has been applied to the channel

Setting the GLOBAL AUX SEND POINT:
- Go to SETTINGS--SETTINGS tab page
Set the CLOBAL AUX SEND POINT option to PRE PROCESSING or POST PROCESSING

SYNC ID

Sync ID allows users to maintain channel sync across multiple browser windows/tabs on the same computer/device, across different displays or even between devices.

You can now open multiple GUI windows in any view mode (MIX, EQ, DYN, FX, etc) and maintain channel sync between them once SYNC ID is enabled and set to the same nominal SYNC ID. Selection of a channel on any GUI page will result in all other synced browser windows to update channel sync accordingly.

To enable Sync ID:
- Go to the SETTINGS-->SETTINGS tab page
- Set the SYNC SELECTED CHANNEL option to “ON”
- Click/tap in the “SYNC ID:” field and set an ID of your choice. Eg. “Your Name”
- Open another GUI on another device, browser tab, etc. Enable SYNC SELECTED CHANNEL and ensure it’s SYNC ID: is configured to the same nominal ID you chose on the first GUI.

You can now have different views on each of your tabs or devices that will remain in channel sync. Note that multiple SYNC ID’s can run concurrently on the Ui mixer.

SETTINGS

LOCAL USER GUI PRESETS
Local client side user settings can now be save/loaded as presets to connected media. This allows users to change devices with ease, taking their predefined local user presets with them, without having to set up their GUI every time they change devices!

Local client side GUI settings can be found in the SETTINGS-->SETTINGS tab page, under LOCAL. GUI options relating to a users client side application such as Pinning the slide out panel, Hiding the Comp/Gate, 1 or 2 finger scroll, MOREME portrait mode, etc can now be saved as a LOCAL SETTINGS PRESET.

To load/save/rename/delete LOCAL SETTINGS PRESETS:
- Go to the SETTINGS-->SETTINGS tab page
- Scroll down and click/tap the LOCAL SETTINGS PRESETS button
- Use the PRESETS manager to LOAD/SAVE/RENAME/DELETE your LOCAL SETTINGS PRESETS to connected USB media

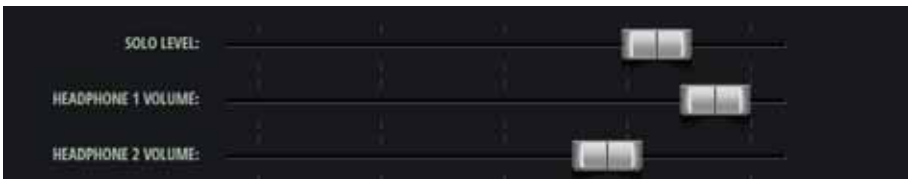
LOCAL USER GUI RESET TO DEFAULT
Local client side user settings can now be reset to default values.

To reset LOCAL SETTINGS to default value:
- Go to the SETTINGS-->SETTINGS tab page
- Scroll down and click/tap the RESET LOCAL SETTINGS button
- Local GUI settings will now be reset to default values and the GUI will be restarted automatically

MONITOR ACCESS LIMIT
This Tab/View manages access permissions - limiting feature access per user. Given that a typical setup may have multiple users logged into the Ui software, each doing their own monitor mix, it makes sense to limit their access to reduce the possibility of accidentally changing a front of house mix.
This feature is not password protected, it is intended as a safety measure to protect accidental corruption of your mix by other users. It is especially helpful for setting up monitor permissions.

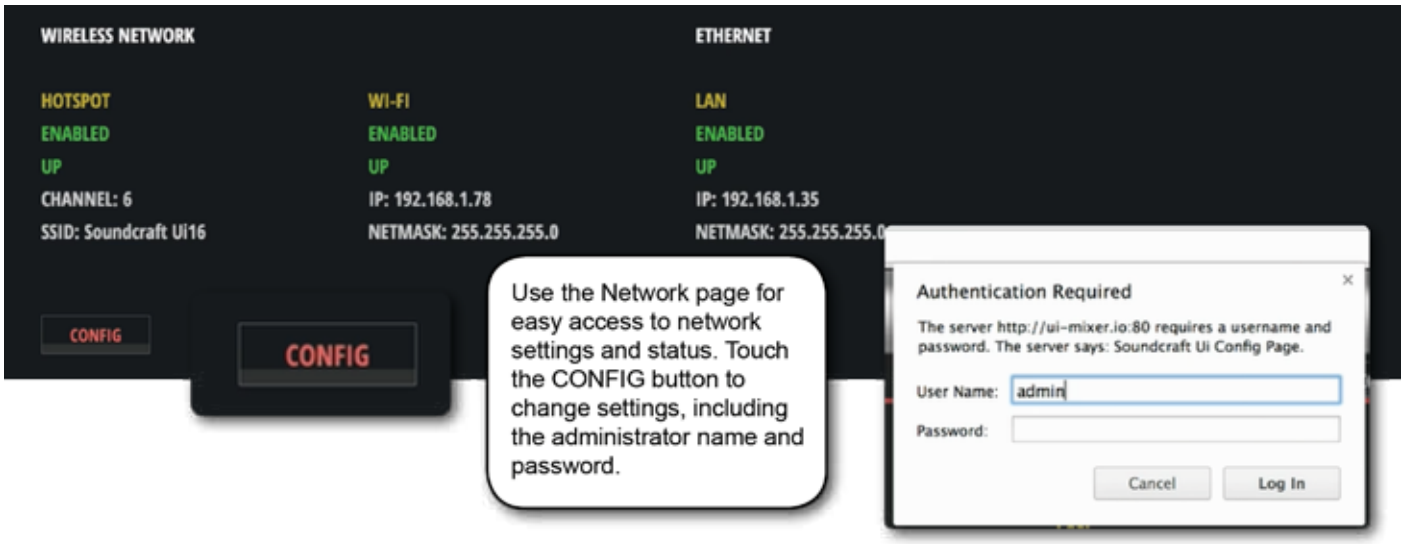
Solo and headphone levels

You can digitally set the output volume for Headphone 1 or 2 as well as the relative SOLO level.

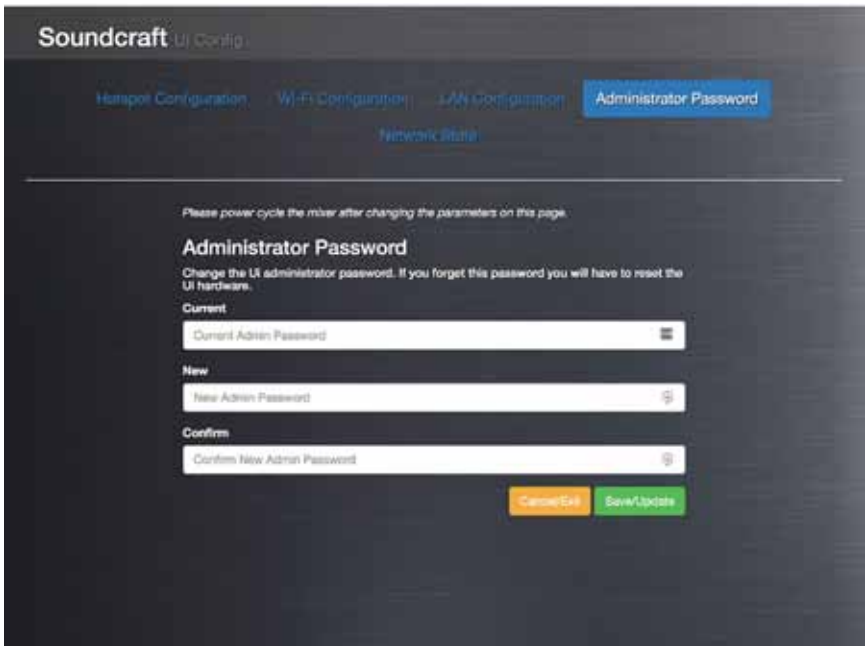


SETTINGS > NETWORK CONFIG

The Ui Config page allows you to enable/disable and edit settings for Hotspot wireless connection to the Ui hotspot), WiFi (connection to an existing WiFi network), and LAN (wired connection via Ethernet). There is also an Administration password change page, and a summary 'Network State' page.



IMPORTANT: The default administration user name is 'admin' and the default administration password is 'admin'. You will be asked for these when you touch the CONFIG button. **You can either use the UI24R as a hotspot or connect to an external Wifi network. LAN is available at anytime unless disabled.**

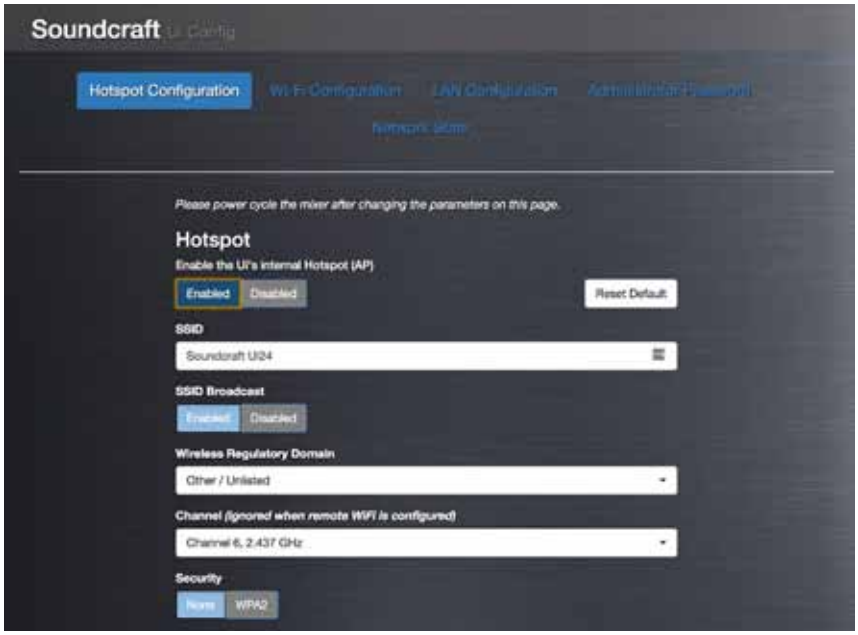


You can change the password using the Administrator Password page once you are in the CONFIG area.

In order to reset the unit's network settings back to the factory default settings you can use the hardware reset procedure, detailed in section 3.0.2.

SETTINGS > NETWORK CONFIG > HOTSPOT

The Ui has it's own hotspot, so it can create it's own network so other devices can connect to it and access the software in it's built-in webserver. Select the Hotspot Configuration menu in Network Config to edit the Hotspot settings.



Use the Save/Update button to save Hotspot settings.

IMPORTANT: You cannot have both Hotspot and Client WIFI enabled at the same time.

Hotspot

Enabled / Disabled

Enable or disable the UI's own Hotspot. Please note, if the Hotspot is disabled you will need to connect to the Ui via either an existing Wi-Fi network, or a wired LAN connection (Ethernet).

SSID (Service Set Identifier)

Text Entry

This is the name of the Ui Hotspot. The default is 'Soundcraft Ui'

Wireless Regulatory Domain

Region Selection

Select the correct region - your current location. This will help select the correct channel selection.

Channel

Channel Selection

A number of channels are available within the Wi-Fi spectrum, depending on the Regulatory Domain - 13 for Europe (ETSI), and 11 for North America (FCC), for example. Third-party software is available to help select Wi-Fi channels.

Security

None / WPA2

Choose either no security, or WPA2 (Wi-Fi Protected Access II) protection. IN the latter case, you will have to choose a password.

SETTINGS > NETWORK CONFIG > HOTSPOT

ENABLE/DISABLE BROADCAST OF THE UI's HOTSPOT NETWORK SSID
There is now an option to enable or disable the broadcasting of the Ui networks hotspot SSID.

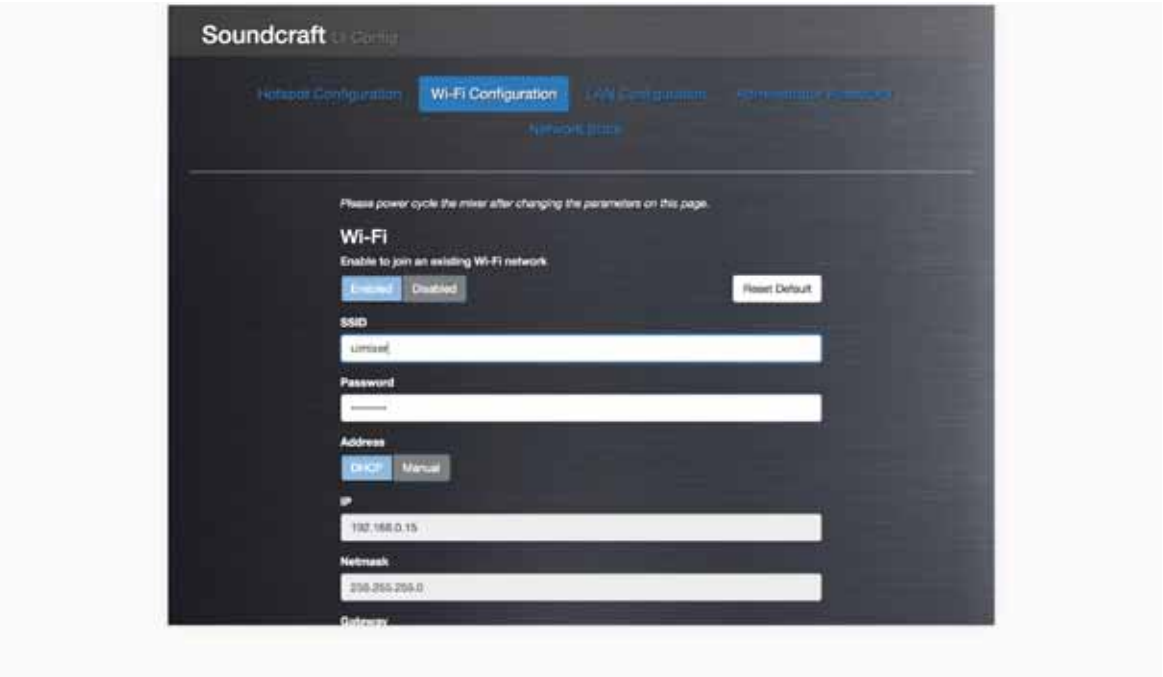
To enable/disable broadcast of the Ui's hotspot SSID:
- Go to the SETTINGS-->NETWORK tab page
- Select CONFIG (you may beed to login with your Admin credentials, The default is admin/admin)
- Select HOTSPOT CONFIGURATION
- Set the SSID BROADCAST option to ENABLED or DISABLED
- Restart the Ui mixer for settings to take effect.

NETWORK INTERFACE MAC ADDRESS VISIBILITY
Network interace MAC addresses are now displayed in the web application GUI.

To view network interface MAC addresses:
- Go to the SETTINGS-->NETWORK tab page
- MAC addresses of active interfaces are displayed in the network details list of each interface.

SETTINGS > NETWORK CONFIG > WI-FI

The Ui can connect to an existing Wi-Fi network / Hotspot, and you can access the control software via the unit's IP number (shown in Settings > Network). Select the Wi-Fi Configuration menu in Network Config to edit the Wi-Fi settings.



Use the Save/Update button to save Wi-Fi settings.

IMPORTANT: You must recycle the Ui power (turn the unit off and on) for settings to take effect.

Wi-Fi
Enabled / Disabled
Enable or disable the Wi-Fi connection.

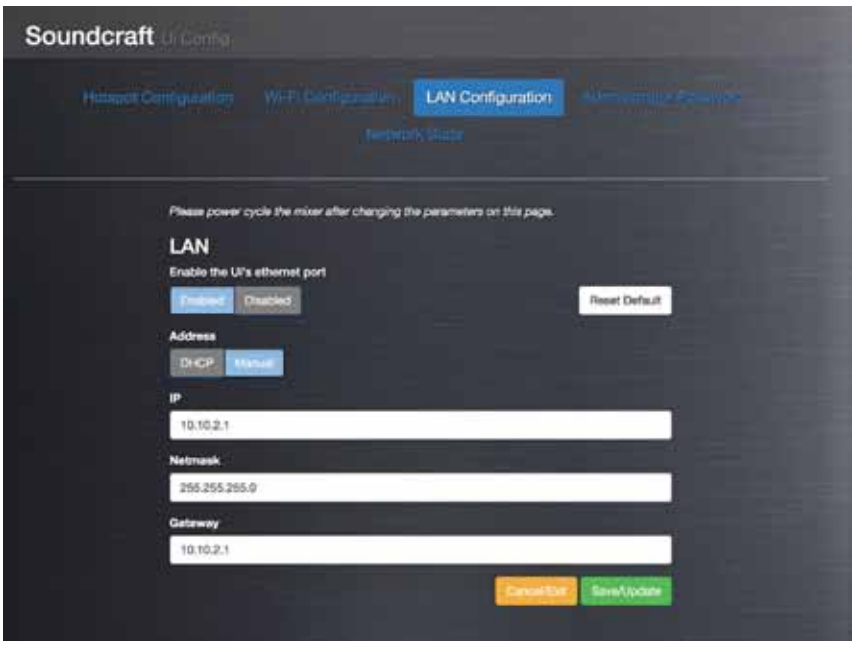
SSID (Service Set Identifier)
Text Entry
This is the name of the network you wish to connect to.

Password
Text Entry
This is the password for the network you wish to connect to.
Master Password Protection

Address
DHCP / Manual
You can choose dynamic IP allocation, in which case the Ui will automatically allocate an IP, Netmask, and Gateway. If you choose Manual IP allocation, you will need to complete these fields yourself. Please refer to your network administrator for manual IP allocation.

SETTINGS > NETWORK CONFIG > LAN

The Ui can connect to an existing wired LAN (Local Area Network) by connection the Ethernet port on the side of the unit. This is the fastest, most secure method of connection to the Ui. Select the LAN Configuration menu in Network Config to edit the LAN settings.



Use the Save/Update button to save LAN settings.

IMPORTANT: You must recycle the Ui power (turn the unit off and on) for settings to take effect.

Default Settings
LAN IP: 10.10.2.1
Subnet mask: 255.255.255.0

Direct Connection
Most computers with a GigaBit adapter will AutoNegotiate and so when connected directly to the unit (not via a switch) there will be no need for an Ethernet crossover cable. Use a static IP for the computer, in the same range as the unit, such as 10.10.2.5 and enter the IP address of the unit in the computer's browser.

LAN
Enabled / Disabled
Enable or disable the Ui's Ethernet port.

Address
DHCP / Manual
You can choose dynamic IP allocation, in which case the Ui will automatically allocate an IP, Netmask, and Gateway. If you choose Manual IP allocation, you will need to complete these fields yourself. Please refer to your network administrator for manual IP allocation.

HARD LOCK (ADMIN/PASS) ACCESS LIMITATIONS
A master password protection access limitation feature has been designed to allow a user logged in with a master password the ability to define a wide range of mixer access limitations for other connected users (without knowledge of the password. ie not logged in).

Enabling MASTER PASSWORD PROTECTION:
- Go to SETTINGS-->ACCESS tab page
- Select the ENABLE button
- Set a master password of your choice to enable MASTER PASSWORD PROTECTION

Note: Enabling MASTER PASSWORD PROTECTION will automatically log a user in.

Disabling MASTER PASSWORD PROTECTION:
- Go to SETTINGS-->ACCESS tab page
- Select the DISABLE button
- Enter the master password to disable MASTER PASSWORD PROTECTION

Logging in and configuring ALLOW CLIENT ACCESS FOR:
A logged in user can define GLOBAL client access limitations for non logged in users by allowing access to certain parts of the mixer as defined below:

AUX LEVELS - AUX PROCESSING - MIX LEVELS - MIX PROCESSING - MIX GAIN - PLAYER - MASTER LEVEL - MASTER PROCESSING - SHOWS - GLOBAL SETTINGS

LOCAL AUX CONTROL (SOFT ACCESS ENABLER)
A local client soft access eabler for AUX control is provided for non logged in users. The user can define which AUX's they want to control if the master pass user has allowed access for either AUX LEVELS or AUX PROCESSING.

Resetting a lost MASTER PASSWORD:
To reset a lost master password the user can connect a USB drive with an empty file named masterpass.txt (top directory) and power cycle the unit with the RESET button on the side of the unit depressed. Hold the RESET button dpressed state until the blue WiFi led on the top pannel stops flashing.The Master Password will be reset.

NO SOUND? A TROUBLESHOOTING GUIDE

A Troubleshooting Guide.
One of the most common problems experienced with mixing consoles is finding that an input isn't appearing at an output. There are many possible reasons for this, but the best way to troubleshoot it is to go through the expected signal path and workout where the 'break' is...

It is also important that you double checking all routing, assignments, and Solo / Mute Group status.

You can check the exact audio path of any signal by referring to the input signal path diagram in Section 2.3.

Are Solos inactive?

Check for the yellow 'S' is shown in the Master Channel display or a yellow active solo indicator in the DASHBOARD page, If a channel is soloed then all other channels may be muted.

This shouldn't affect a main Left/Right or Mono output unless the MASTER + HP solo mode is enabled in the SETTINGS.

Clear all active Solos either individually, or by using CLEAR SOLO in the DASHBOARD screen.

Check The input!

The physical input should be correctly connected. The physical input numbers correspond to the input channel numbers in the Ui Control Software.

Is there anything on the meters?

By checking the Input and Output path meters, you should be able to localise a problem to a large extent.

The Input channel metering comes after the Mic/Line input but before the rest of the Input Channel. Therefore, if the input signal is valid, and you have applied enough Gain, you should see a level indication on the input meters.

Output Channel metering is tapped just before the physical output.

Are they 'in phase'?

Phase is only likely to cause an issue if coherent signals are applied to more than one channel and they are both routed the same way. For example, you might be using a test signal, or using two channels for the same signal.

You can check if phase is an issue by switching the Phase (GAIN page) on ONE of those channels. If the audio comes back, then look for the cause of the phase issue - it may be that a balanced connection has been wired incorrectly, for example.

NO SOUND? A TROUBLESHOOTING GUIDE

Is the Gate shut?

It is possible for an incorrectly set Gate process to stop all signal.

This happens most often when the threshold is set too high and the signal never gets loud enough to 'open' the Gate. You can easily check this by bypassing active Gates in the dynamics (DYN) tab of the channel EDIT page.

Are there any active mutes?

The Ui allows you to mute channels individually, via Mute Groups, or via MUTE ALL and MUTE FX buttons the in the DASHBOARD.

Mute Group operation is described in section 6.1.

Is the Fader up?

The channel fader needs to be set high enough when routing to any post-fade destination. If your problem output route is pre-fader, then fader position will have no effect.

Is the Output Master Channel Path valid?

Almost exactly the same checks as above can be done on an output channel (Aux Sends, Master Output).

Run through the same checks as above but for the Output channel.

Is the Physical Output Valid?

Check the connection, and your replay system.

If metering is showing a valid output, it is likely there is a problem at, or after, the physical output.

SYSTEM FAQ

The Ui is not just an audio mixer - it is a WiFi hotspot and a web server, and it runs sophisticated control software for phone and tablet-type devices. The following FAQ addresses any issues you might have with this 'system' aspect of Ui operation.

Q: How do I download the Ui app?

A: The Ui series mixers do not need an app. Simply connect to the your Ui mixer via Wi-Fi from any device (PC, Tablet, Phone). Start an HTML5 Browser (Google Chrome, Mozilla Firefox, Safari, etc.) and type in the following URL into your browser: "ui-mixer.io". From there, choose either the Large interface (PC or tablet) or Small Interface (phones).

Q: Why does my iOS Wi-Fi keep changing to another network when my device goes to sleep?

A: How iOS decides which wireless network to auto-join: https://support.apple.com/en-us/HT202831

You can configure your iOS device to automatically join a specific wireless network with a profile.
Both Apple Configurator and OS X Server Profile Manager support this option in the user interface.
https://support.apple.com/en-au/HT4989

Q: The GUI doesn't work on my android device?

A: The Ui web application requires a 'modern' browser that supports HTML5 features like canvas and websockets. Android devices using the stock built in Android browser prior to Version 4.4 do NOT support websockets, and as such will not function. We suggest upgrading your device to a more current version of OS and browser. We also recommend installing and using the Chrome browser which fully supports modern browser features.

Q: How do I operate fullscreen just like an app?

A (iOS): Launch the Safari browser on Apple's iOS and navigate to the website or web page you want to add to your home screen. Tap the Share button on the browser's toolbar — that's the rectangle with an arrow pointing upward. It's on the bar at the top of the screen on an iPad, and on the bar at the bottom of the screen on an iPhone or iPod Touch. Tap the Add to Home Screen icon in the Share menu.

A (Android): Launch Chrome for Android and open the website or web page you want to pin to your home screen. Tap the menu button and tap Add to homescreen. You'll be able to enter a name for the shortcut and then Chrome will add it to your home screen.

The icon will appear on your home screen like any other app shortcut or widget, so you can drag it around and put it wherever you like. Chrome for Android loads the website as a 'web app' when you tap the icon, so it will get its own entry in the app switcher and won't have any browser interface getting in the way.

Other popular Android browsers also offer this feature. For example, Firefox for Android can do this if you tap the menu button, tap the Page option, and tap Add to Home Screen.

SYSTEM FAQ

A (Windows 8, 8.1, RT): This is obviously most useful on tablets, not on desktop PCs where you don't want to see the Start screen. Navigate to the website you want to pin, pull up the app bar by right-clicking or swiping up from the bottom of your screen and tap the star icon. Tap the pin icon, enter a name for the shortcut, and click Pin to Start. The website will appear as a tile on your Start screen.

A (Windows Phone): Open the website you want to pin in Internet Explorer. Tap the More (…) button and tap Pin to Start in the menu that appears.

Q: Can I charge my USB device from the Ui's USB ports?

A: Yes, the Ui hardware USB ports can be used as a device power source.

Q: Can I connect a more powerful antenna?

A: Sure, the included antenna will suffice for many environments. However it is easily screwed off and can be replaced with a larger. more powerful booster antenna.

Q: How do I reset a Ui mixer?

A: There are several reset modes:

Reset Networking and Admin password only If you have forgotten the admin password, For hotspot or Wi-Fi settings you can simply use the reset button on the left hand side panel. Use a paper clip to hold the reset button down for approximately 10 seconds while you power on the unit. This will initialise the Ui's networking and admin password to the default state.

Reset to the default factory firmware
This method removes all updates you may have performed on the mixer and returns it to the default factory shipping firmware and state. Create a test file named fullreset.txt (no contents necessary) and copy to a USB stick. Insert the USB stick into one of the Ui's USB ports. Use a paper clip to hold the reset button down for approximately 10 seconds while you power on the unit. The Ui will recognise the fullreset.txt file on the USB stick and perform a full factory reset.

Q: How long does the Ui take to bootup?

A: Approximately 20-22 seconds.

Q: How do I update the Ui's firmware?

A:

1) Download the Ui update file from the website. The format is: uiupdate-1.0.3434-Ui24R.zip (leave in zip format)
2) Copy the file to a USB media device suitable for connection to a Ui mixers USB port. Note: The file can reside in any directory. Any USB port on the mixer is acceptable.
3) Ensure a client device is connected to the Ui mixer GUI
4) Connect USB media to the Ui mixer 5/ The GUI display will display that the USB device has been mounted. After the stick has been read (maybe 10 more seconds) the update will be recognised.
5) The GUI will prompt you if you would like to update the Ui mixer. Options are Ok/Cancel.
6) Select OK to confirm

SYSTEM FAQ

7) The Ui mixer will perform a firmware update
8) The GUI will present a message stating whether the update has been successful or not.
9) You must power cycle the unit and reconnect their client device.
10) You can now browse to the about page to see the new firmware version information.

Q: How do I attenuate the media player input? It is really hot signal?

A: You can use adjust the Compressor Gain control down -24dB to compensate for the incredibly hot signal that many audio files are mastered at. This adjustment will act like a PAD and allow you additional range on the level fader to operate.

Q: Why are some elements of the GUI semi transparent (greyed out)?

A: A greyed out graphical control element is one that is displayed with a light shade of grey (or semi transparent state), to indicate that it is currently disabled, and cannot be operated or selected by the user. This convention is widely used in graphical user interfaces, to visually indicate which actions cannot be taken in the current situation. This approach makes it possible to disable a control when it cannot be used, and give a clear signal of that state, while maintaining the graphical control element in a consistent location, thereby minimising confusion for the user.

Q: Can I use the same USB stick for playback and recording?

A: For FAST speed USB media devices this will work. For insufficiently fast USB sticks the recorder may skip samples and record crackle.

Q: Why can’t I connect after changing the WPA password?

A: When changing network password it is recommended to always forget the corresponding WiFi network connection on clients prior to attempting to rejoin. Certain devices cache network information and do not allow connections after changing the WPA password until network is forgotten on client.

It can sometimes also be beneficial to disable and then enable your WiFi adapter to ensure fresh client network information.

Q: Why do I have lost connections?

When using the mixer in highly populated WiFi environments or extended distance we recommend using a high powered antenna or external router.

SYSTEM FAQ-HDMI

HDMI connection issues:
The Ui24R requires that HDMI connected components be able to recognize and communicate with each other. This is referred to as the “HDMI handshake”. If the “handshake” doesn’t work, the HDCP encryption that is imbedded in the HDMI signal is not being recognized properly by one, or more, of the connected components.

This most often results in not being able to see anything on your monitor.

Before frustration sets in, there are some things you can do yourself if you find that your HDMI-connected components are not communicating properly.

1. Try A Different Turn-on Sequence For Your Components:
In other words, if you have a habit of turning on your Monitpr first, then your Ui24R try the reverse turn on sequence and see if that works.

If you find a sequence that works, remember it. Of course, make sure when everything is turned on, and that you have selected the correct input on your monitor.

Once you have determined the best turn-on sequence - write it down for future reference.

2. Check Your Source Device’s Video Resolution Output Setting:
Ui24R output resolution is fixed at 720p check that your monitor is set to the same resolution as well, most monitors automatically scale to the right resolution although some need manual selection.

3. Troubleshooting HDMI-to-DVI or DVI-to-HDMI Connection Problems
Another HDMI connection issue sometimes arises when it is necessary to connect an HDMI-enabled device to a TV or monitor that has a DVI connection, or a DVI-enabled source device to an HDMI-equipped TV.

In this case, you need to use an HDMI-to-DVI conversion cable (HDMI on one end - DVI on other other) or use an HDMI cable with an added HDMI-to-DVI adapter or a DVI cable with a DVI-to-HDMI adapter. Check out examples of DVI/HDMI adapters and cables on Amazon.com

The added requirement is that the DVI-equipped device you are connecting is HDCP-enabled. This allows the proper communication between both the HDMI and DVI devices.

Ordinarily, there should not be a problem converting HDMI to DVI, but there can be. For example, you will find that 3D and 4K signals are not compatible. With standard 480p, 720p, or 1080p resolution video signals.

On the other hand, you can also run into a situation on older-DVI equipped TVs that even if they are HDCP compliant, they may not have the proper firmware to recognize the identity of the HDMI source component you are trying to connect.

An ACTIVE HDMI to DVI or HDMI to VGA adapter normally works better than a passive one.

SYSTEM FAQ-Touch screen

Touch connection issues:
The Ui24R requires that the touch screen information be passed via a USB cable to one of the USB A connections.

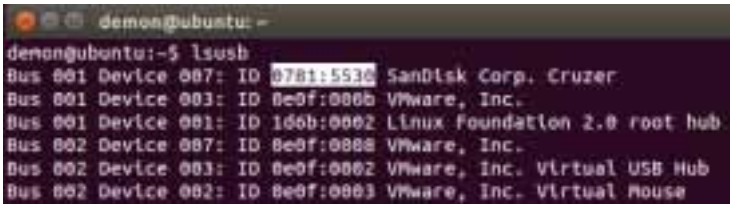
Each screen has it's own USB ID number called VID and PID, in some instances even the same model may have a different VID and PID depending on which country it was purchased from.

We have implemented several such ID's in the Ui24R but it is impossible for us to know all the ID number and all the screen that may be available at a future time.

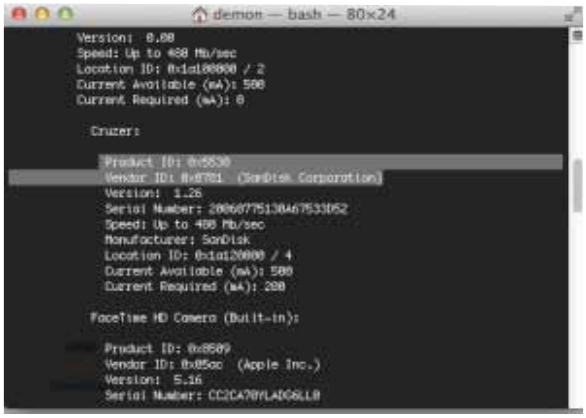
In such cases please contact support and email your VID and PID, Screen model and version to Soundcraft support so we can add it to the firmware of the Ui24R.

Linux: Just run in the terminal and find details of your stick

lsusb

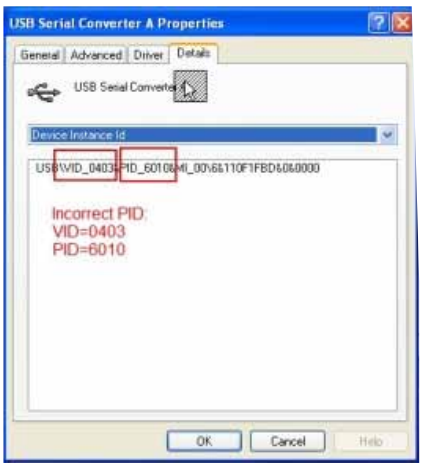


MAC OS:
system_profiler SPUSBDataType



Windoes PC:
Open the "Device Manager".
Find the USB device, VID and PID which you want to define.
After clicking the right button, select "Properties"
In the resulting window, select the tab "Data" and,
if necessary,
choose from the drop-down list line "Device Instance Id"

Please email this information to the Soundcraft Support email address.



Setting up a connection

Although the Ui24R has Wifi connectivity, care must be taken in using such a connection where interference can occur and longer distance control is required.

In such situations it is recommended to use a more powerful external router with larger antennas or use an Ethernet connection directly to the Ui24R.

Using a Wifi scanner application you should determine which channels are free in your area and set the Ui24R to use one of these channels.

You should also have a direct line of sight to the Wifi Antenna of the Ui24R or router you are using.

DOM 18 error
If you are getting the following error message when connecting to the Ui mixer's hotspot via ipad: 498 Securityerror DOM exception 18. An attempt was made to break thru security policy of user agent. It's probably caused while running on SAFARI in IOS, in Safari, this likely means that your browser is currently blocking cookies that are necessary for LastPass to work. Please enable cookies by going to Safari Preferences > Privacy > Cookies and Website data > choose 'Always Allow'. Restart Safari and try again.

How do I operate fullscreen just like an app?
iOS
Launch the Safari browser on Apple's iOS and navigate to the website or web page you want to add to your home screen. Tap the Share button on the browser's toolbar — that's the rectangle with an arrow pointing upward. It's on the bar at the top of the screen on an iPad, and on the bar at the bottom of the screen on an iPhone or iPod Touch. Tap the Add to Home Screen icon in the Share menu.

Android
Launch Chrome for Android and open the website or web page you want to pin to your home screen. Tap the menu button and tap Add to homescreen. You'll be able to enter a name for the shortcut and then Chrome will add it to your home screen.

The icon will appear on your home screen like any other app shortcut or widget, so you can drag it around and put it wherever you like. Chrome for Android loads the website as a "web app" when you tap the icon, so it will get its own entry in the app switcher and won't have any browser interface getting in the way.

Other popular Android browsers also offer this feature. For example, Firefox for Android can do this if you tap the menu button, tap the Page option, and tap Add to Home Screen.

Windows 8, 8.1, RT
This is obviously most useful on tablets, not on desktop PCs where you don't want to see the Start screen. Navigate to the website you want to pin, pull up the app bar by right-clicking or swiping up from the bottom of your screen and tap the star icon. Tap the pin icon, enter a name for the shortcut, and click Pin to Start. The website will appear as a tile on your Start screen.

Windows Phone
Open the website you want to pin in Internet Explorer. Tap the More (…) button and tap Pin to Start in the menu that appears.