

# EUROLIVE B615D/B612D

### Active 1500-Watt 2-Way PA Speaker System with 15" Woofer and 1.75" Titanium Compression Driver

- High-power 1500-Watt 2-way PA sound reinforcement speaker system for live and playback applications
- Ultra-compact and light weight system delivers excellent sound even at extreme sound pressure levels
- Revolutionary Class-D amplifier technology: enormous power, incredible sonic performance and super-light weight
- Internal switch-mode power supply for noise-free audio, superior transient response and very low power consumption
- Integrated sound processor for ultimate system control and speaker protection
- Extremely powerful 15/12" long-excursion driver provides incredibly deep bass and acoustic power
- State-of-the-art 1.75" titanium-diaphragm compression driver for exceptional high-frequency reproduction
- Ultra-wide dispersion, large-format exponential horn
- Ultra-low noise Mic/Line input with Volume control and Clip LED
- Dedicated 2-band EQ for perfect sound adjustment



Thanks to our revolutionary Class-D amplifier technology and internal switch-mode power supplies, EUROLIVE D Series loudspeakers provide a much better power-to-weight ratio than competing active speakers. Put simply, you get all the power of traditional bi-amped active loudspeakers without all the backbreaking weight. And the sound quality of these lightweight loudspeakers exceeds that of our extremely popular EUROLIVE B215D and B212D systems, plus we've given them even more output power and a significant transducer upgrade.

Due to their high-efficiency design, EUROLIVE B615D and B612D active loudspeakers crank out 1500 of the cleanest, punchiest audio Watts we've ever packed into a compact loudspeaker system. The integrated sound processor provides total system control for dependable protection of the LF/HF transducers, and thanks to the built-

in active high-pass filter, you can run them full out without the slightest hint of distortion. In addition, both models feature an Ultra-Low Noise (ULN) Mic/Line input with Level control and dedicated 2-band EQ (bass/treble) for easy control.

#### Intelligent by Design

One of the coolest things about active loudspeakers is the lack of back-breaking racks of amps, crossovers and EQs that are often required to make passive speaker systems sound almost as good. But that comes with a trade-off—that extra weight is transferred to the loudspeaker, making it difficult for a single user to heave all that mass onto the top of a speaker stand. BEHRINGER EUROLIVE D Series' "Intelligent-Design" merges the best features of active loudspeakers with significantly lower weight through the use of switch-mode power supplies (SMPS) and Class-D amplifier topology.

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# EUROLIVE B615D/B612D

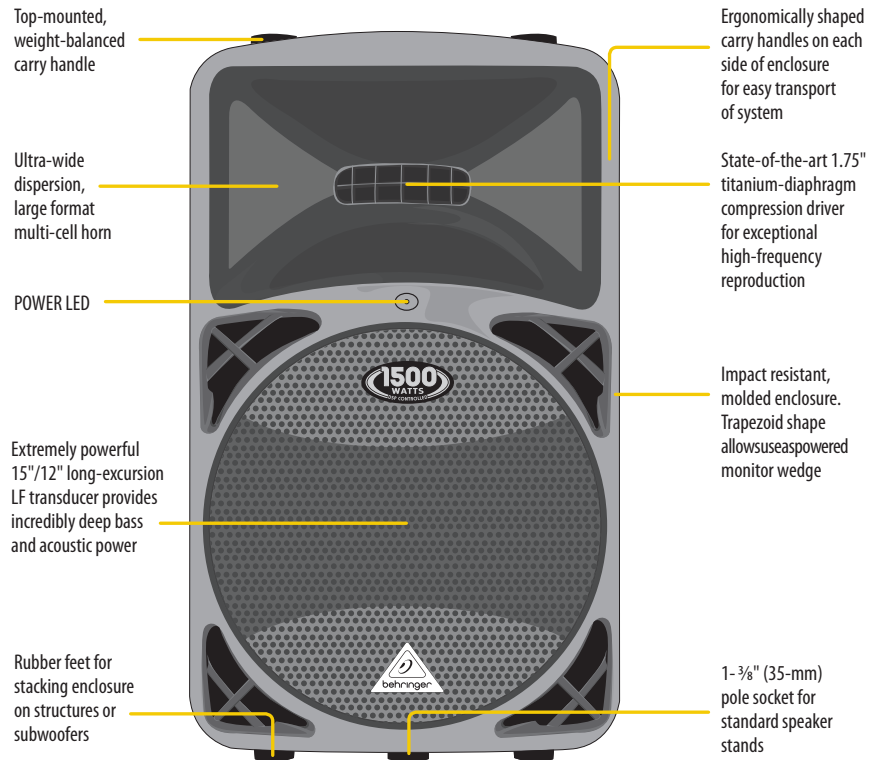
- Additional Line output allows linking of additional speaker systems
- Versatile trapezoidal enclosure design allows different positioning:
  - Stand mounting with 35-mm pole socket
  - Tilts on its side for use as a floor monitor
- Ergonomically shaped handles for easy carrying and setup
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

## Class-D Amplifier Technology Delivers High Power With Low Weight

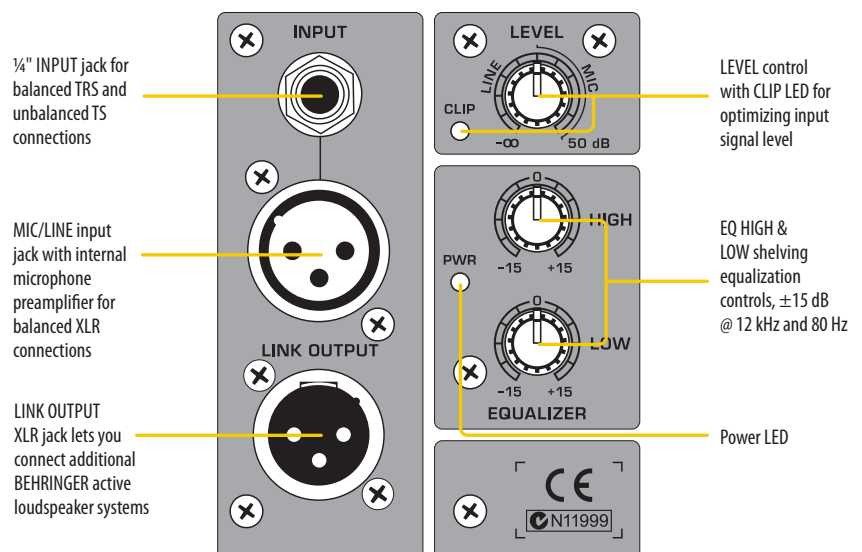
Instead of operating relatively continuously like Class-AB circuits, Class-D amps switch on and off thousands of times per second, delivering power only as it is needed. In other words, the amplifier is either fully on or fully off,

which significantly reduces the power losses in the output devices. Although we didn't invent Class-D technology, our R&D Department has spent years perfecting our own version with all the benefits of reduced weight and cool running—and none of the drawbacks.

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## B615D/B612D rear panel callout



# EUROLIVE B615D/B612D

## Massive Power to Size Ratio

At the heart of each B615D and B612D are two high-current amplifiers with a combined maximum output of 1500 Watts. These Class-D amps are capable of driving the speakers to their maximum without damage or distortion thanks to their internal active protection circuits. Put simply, these systems will astound you with their massive punch, smooth midrange and articulate top-end.

## Custom-Designed Transducers

Let's face it; the transducers (woofers and tweeters) are the only part of a sound system you actually hear, so we never cut any corners here. While some of our competitors are content to buy off-the-shelf transducers and plug them into their boxes, we custom-design and build ours from scratch. We wind the voice coils, process the paper pulp into cones—and even machine our own back plates. This enables us to control the quality, and frankly to make better components, like the long-excursion 12 and 15" LF transducers and state-of-the-art 1.75" titanium-diaphragm compression drivers we load into each and every B612D/B615D.

## Instant PA System

With just a single EUROLIVE D Series loudspeaker and a microphone you can set up an instant sound system. Thanks to the built-in preamp section, you just connect a dynamic mic and raise and lower the volume with the Level control. Place the speaker on a tabletop or stand, and power up. It's just that easy. And if you need more coverage, say for a larger room or audience, you can add more active loudspeakers via the convenient Link Output XLR connector.

## Stereo Music System

You can even use two D Series enclosures for stereo playback of your music sound files without any additional

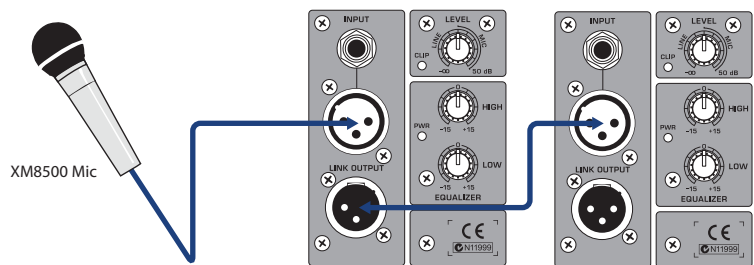
hardware. Just plug the appropriate stereo "breakout" adapter into your deck's output jack and run the cables to the 1/4" inputs on each loudspeaker. Set the Level and EQ controls the same on both enclosures. Voilà, instant party!

## Marvelous as Monitors

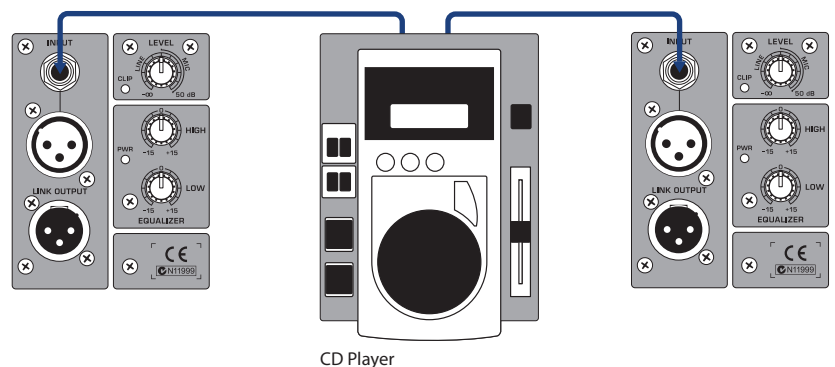
Thanks to their trapezoidal design, these cabinets can be laid on their side providing the ideal angle for onstage monitor wedge applications. Hookup is simple, requiring only a single XLR or 1/4" cable from the monitor send on your mixing console and power. Additional monitors can be chained together via the XLR Link Output jack on the rear panel.

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## Connecting a Microphone



## Connecting a Music Player





# EUROLIVE B615D/B612D

## Powerful Low Frequency Response

The EUROLIVE D Series was built with extended low frequency handling in mind. Thanks to their internally braced, injection-molded, tuned-port enclosures, these bad boys really crank out serious quantities of bass. Keep in mind that bass response varies according to LF transducer size, so the larger the speaker, the more bass you will be able to generate.

## Articulate Midrange and Treble

Even if your particular application doesn't include booming bass, you'll love the sheer accuracy of these loudspeakers. Over a year went into designing an exponential horn/titanium-diaphragm compression driver combination that could handle serious hard rock or dance music—yet also satisfy audiophiles with its musical timbre and attention to detail. For spoken word, singing or acoustical instruments, the EUROLIVE D Series is un-matched for its ability to articulate complex harmonic content. In fact, many customers say these are the most natural-sounding speakers they've ever heard, even when compared to systems costing much more.



## Processor Controlled Output

Hidden deep inside each enclosure is the equivalent of an active 2-way electronic crossover, graphic EQ, parametric EQ, mic preamp, limiter and two Class-D power amplifiers, yet overall weight is less than comparable loudspeaker systems. These components work together seamlessly to provide optimal sound quality without you ever having to touch a single knob.

As output demands rise, the internal processor frees up LF amp and transducer resources by reducing program bass content, so that higher overall system volume can be realized. It's like having a tiny soundman inside each cabinet constantly monitoring and changing output parameters for the best possible sound.

## Which Speaker Should I Buy?

Well, let's start with your application... are you giving a speech in a hotel ballroom—or rocking out at the local bar or dance club? Whether to choose one speaker cabinet over another depends on your bass requirements. A 15" woofer has

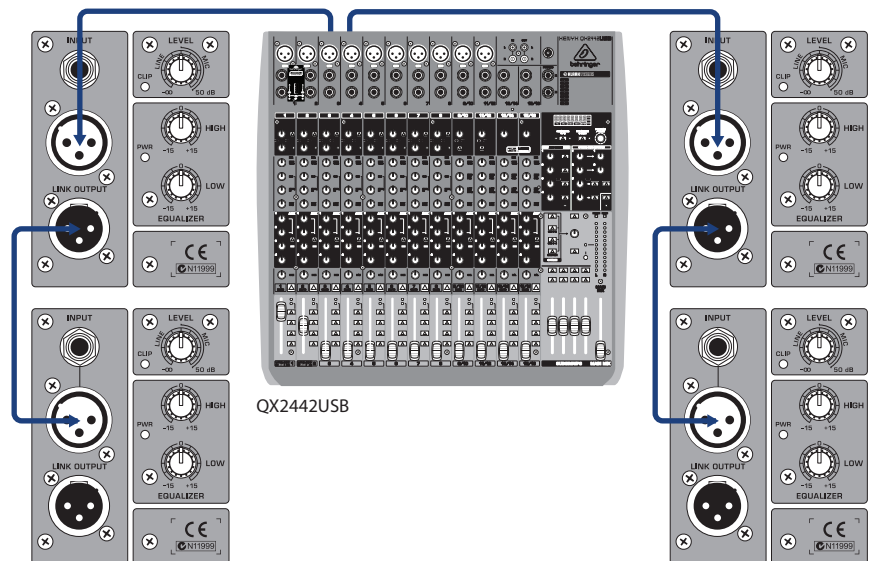
about 40% more surface area with which to move air than a 12" and that translates into more bass. So if you're addressing a meeting, or jamming at the local blues joint, the B612D might be all you'll ever need. But if you're providing disco in a busy nightclub, hosting Karaoke night in your living room, or just want a little more "thump", then the B615D may be a better choice.

## Sound Value

EUROLIVE active PA loudspeakers stand head and shoulders above the rest of the pack and deliver exceptional performance, even when pushed to their limits. Lightweight and powerful, with built-in mixers, 2 band EQ and custom-designed transducers, B612D and B615D active loudspeakers are ideal for both speech and music applications—at a price unheard of in this class.

Experience the B612D and B615D at your local dealer today and find out why more and more professionals are turning to BEHRINGER EUROLIVE Series active loudspeakers for their superb performance and extraordinary value.

## Connecting Multiple Loudspeakers



# EUROLIVE B615D/B612D

## Specifications

### B615D/B612D

#### Amplifier Power Output

##### System

Max output power	1500 W
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### B615D

#### Speaker Size

Size	15" / 387 mm 1.75" / 44 mm
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### B612D

#### Speaker Size

Size	12" / 308 mm 1.75" / 44 mm
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### B615D/B612D

#### Audio Inputs

##### XLR (servo-balanced)

Sensitivity	-40 dBu to +4 dBu
Input impedance	20 kΩ

##### ¼" TRS jack (servo-balanced)

Sensitivity	-40 dBu to +4 dBu
Input impedance	20 kΩ

##### Level control

Input Trim	-∞ to +30 dB
Max. input level	+22 dBu

##### Link

Connector	XLR connector
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### B615D

#### Loudspeaker System Data

Frequency Response	50 Hz to 18 kHz
Crossover frequency	1.8 kHz
Sound pressure level	max. 126 dB SPL @ 1 m
Limiter	Optical
Dynamic Equalizer	Processor-controlled

### B612D

#### Loudspeaker System Data

Frequency Response	60 Hz to 18 kHz
Crossover frequency	2.1 kHz
Sound pressure level	max. 125 dB SPL @ 1 m
Limiter	Optical
Dynamic Equalizer	Processor-controlled

### B615D/B612D

#### Equalizer

HIGH	12 kHz / ±15 dB
LOW	80 Hz / ±15 dB

#### Power Supply

##### Voltage (Fuses)

USA/Canada	120 V, 60 Hz (T 6.3 A H 250 V)
UK/Australia	240 V~, 50 Hz (T 3.15 A H 250 V)
Europe	230 V~, 50 Hz (T 3.15 A H 250 V)
Japan	100 V~, 50-60 Hz (T 6.3 A H 250 V)

Power consumption	max. 600 Watts
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Mains connection	Standard IEC receptacle
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### B615D

#### Dimensions/Weight

Dimensions (H x W x D)	28.8 x 18.5 x 16.7" 732 x 470 x 424 mm
Weight	57.8 lbs / 26.2 kg

### B612D

#### Dimensions/Weight

Dimensions (H x W x D)	25.9 x 15.5 x 15.1" 658 x 394 x 384 mm
Weight	49 lbs / 22.2 kg

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