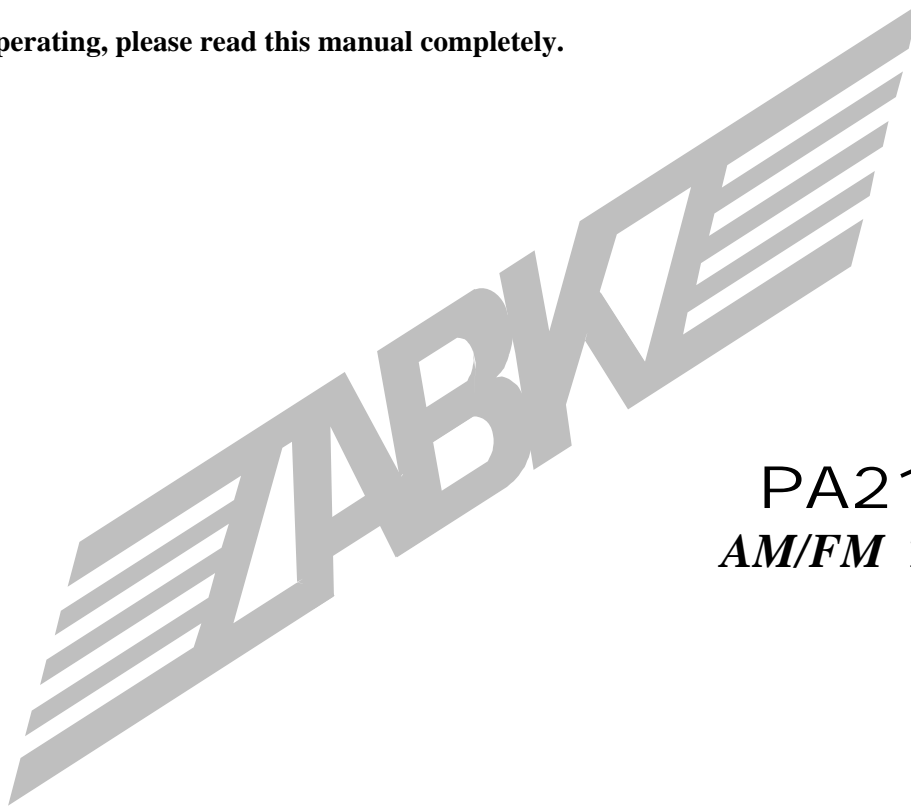# OWNER'S MANUAL

Before operating, please read this manual completely.
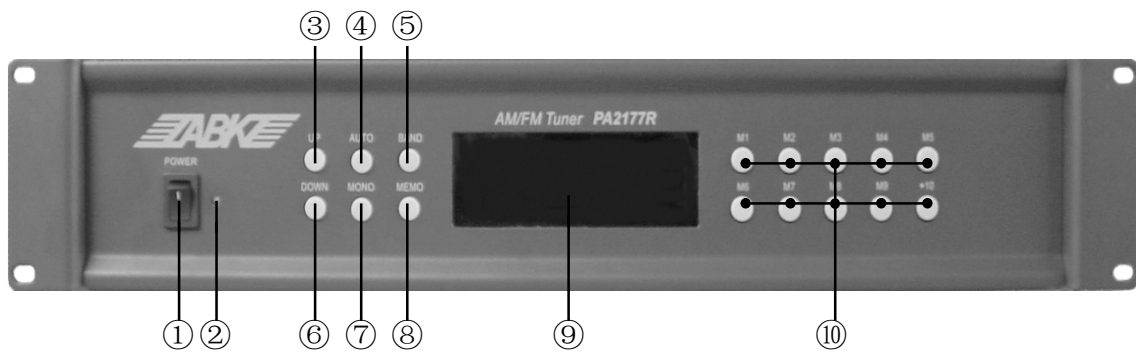
PA2177R
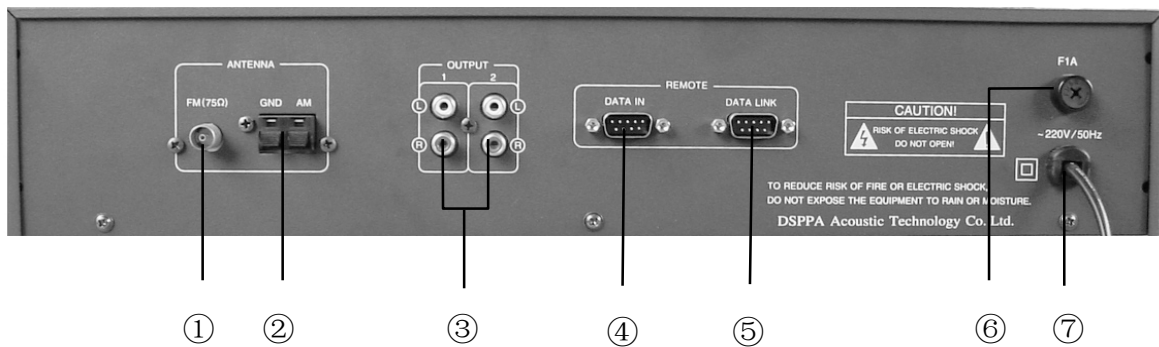### *AM/FM TUNER*

FEATURES

l   **Digital tuner with MPU control.**

l   **Touch key and VFD display.**

l   **20 memories for each AM & FM.**

l   **Auto save with auto station search.**

l   **Level meter for audio output.**

l   **Memory function after power dropped.**

FRONT PANEL

① Power switch(1 is power on and the "power LED" is on)

② Power LED indicator　　　　⑦ Mono keys

③ Up keys　　　　　　　　　　⑧ Memo keys

④ Auto keys　　　　　　　　　⑨ Display screen

⑤ Band keys　　　　　　　　　⑩ M1~+10 Location keys

⑥ Down keys

REAR PANEL

① FM antenna jack　　　　　　⑤ Remote output

② AM antenna jack　　　　　　⑥ Fuse

③ Output jack　　　　　　　　⑦ Mains Cable

④ Remote input

CONNECTION

FM Antenna

AM Antenna

ANTENNA

FM (75Ω)   GND   AM

OUTPUT
1   2
L   L
R   R

REMOTE
DATA IN   DATA LINK

CAUTION!
RISK OF ELECTRIC SHOCK
DO NOT OPEN!

F1A

~220V/50Hz

TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THE EQUIPMENT TO RAIN OR MOISTURE.

DSPPA Acoustic Technology Co. Ltd.

Pre Amp. PA2181P

To control center
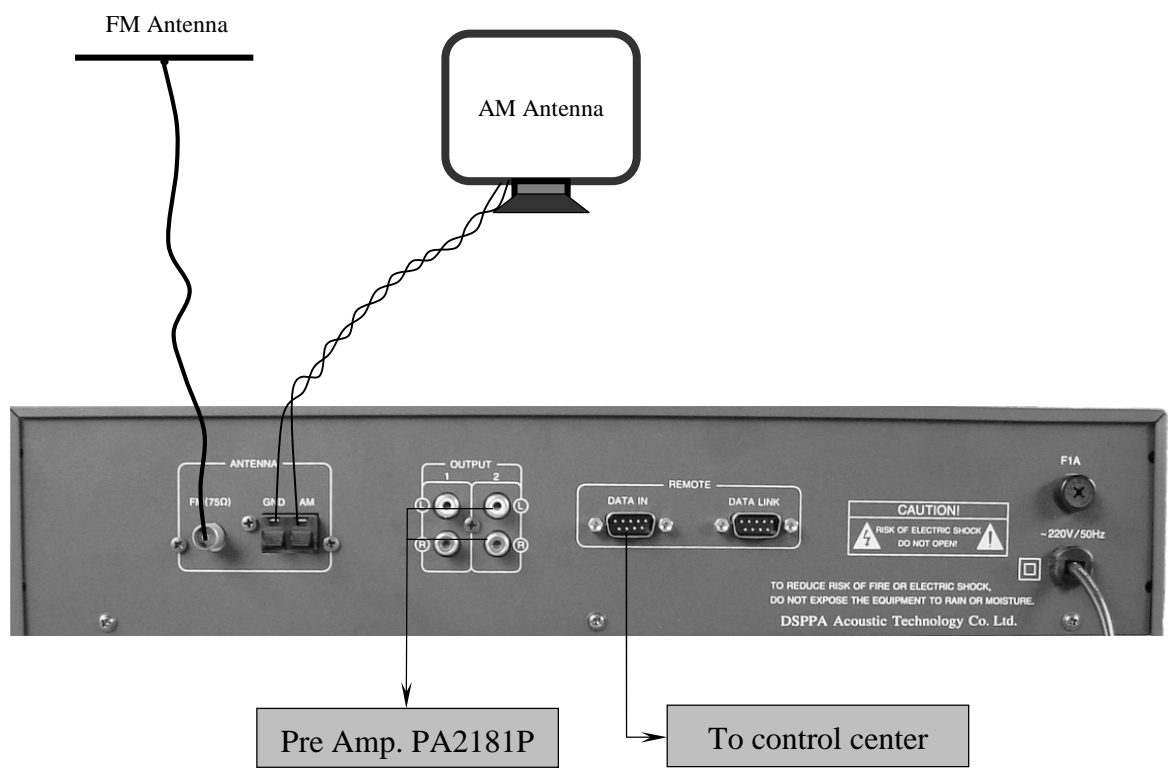
OPERATION

1   Select a station

    A   Tuning in   Click BAND key for band selecting. Click UP or DOWN key for tuning step by step (FM: 50kHz/step, AM: 9 kHz/step). If keeping UP or DOWN pressed down for 1 second, it will search continuously until a station tuned in or don't in 30 seconds.

    B   Calling out   Click BAND key for band selecting. Click one key of M1~+10 for calling out a station which stored in M1~M10. Press down M+10 key for 1 second with CH1_ appears on the VFD screen, and then click one of M1~M9 for calling out the station stored in M11~M19. Press down M+10 key for 2 seconds for calling out the station stored in M20.

2   Save a station

    A   Save with auto search   Click BAND key for band selecting. Click AUTO key with the symbol "AUTO" flashing on the VFD screen, and then click UP or DOWN key for starting to search station from the lowest frequency to the highest frequency of the band or in reverse order. The stations received will be saved into the memories from M1 to M20 until searching to the end of the band or all memories filled up. The station stored in M1 will be called out when AUTO SEARCH comes to the end.

    B Save manually   Click MEMO key with the symbols "MEN" and "CH_ _" flashing on the VFD screen. Click one key of M1~M+10 as the way mentioned in section 1·B for memory selection and then click MEMO key once again to save the station received at present into the memory selected. The screen will resume to receiving mode when done.

3   Mono/Stereo switching

    Click MONO key in circle for switching between Stereo Mode and Mono Mode of the receiver. Stereo Mode is for FM only. The stereo function will be activated automatically with the symbol "STEREO" flashing in Stereo Mode while the FM stereo signal is strong enough. But the S/N of Mono Mode is better than that of Stereo Mode.

4   Remote with compute link

    This set can be controlled by a program manager of ZABKZ-PA series (or DSPPA-MP series and DSPPA-MAG series) via a link cord. For this purpose，fit a link cord from the Remote Link port of this set to the link port of the program manager. We can use the manager to make programs or timings for this set.

SPECIFICATIONS

Band	FM	87.0 ~ 108.0 MHz
	AM	522 ~ 1611 kHz
Input Sensitivity	FM	16dB μ
	AM	49dB μ
S/N	FM	Mono 75dB，Stereo 70 dB
	AM	40dB
Freq. Step	FM	50kHz
	AM	9kHz
MF	FM	10.7 MHz
	AM	450 kHz
Output level	0dB	
Protection	**AC** fuse ×1	
Power Requirement	**AC** 220 –240 **V** / 50～60 **Hz**	
Dimensions	485×88×378 **mm**	
Gross weight	6.5 **kg**	
Net weight	5.2 **kg**	

Specifications are subject to be changed without notice.

CAUTION

● Do not put the vase full of water and similar things on the machine.

● Please pull out the plug from the outlet when the machine is OFF state.

● To reduce the risk of electric shock, do not remove the unit's cover.

No user parts are inside.　For services, refer to a qualified service person.