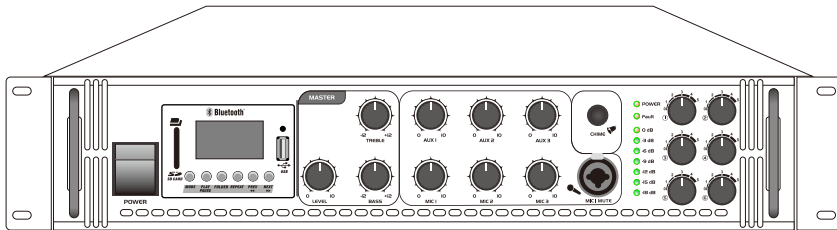
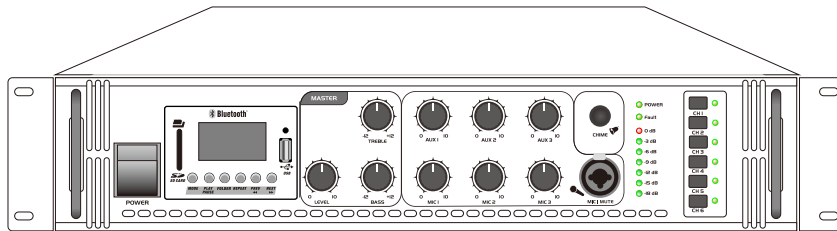
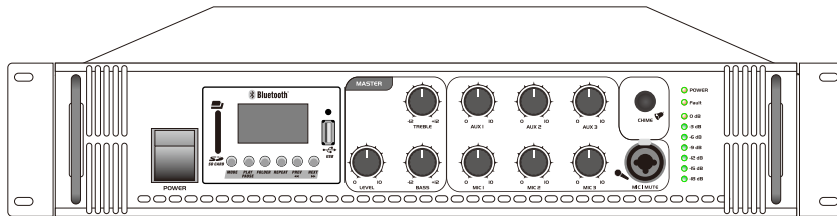


PLEASE KEEP THIS MANUAL FOR FUTRUE REFERERCE



User' S Manual

CASSTONE ELECTRONIC



Professional amplifier Operations Guide

SAFETY PRECAUTIONS!

WARNING-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

Do not allow water or liquids to be spilled into this unit. If the unit has been exposed to rain or liquids, please unplug the power cord immediately from the outlet (with dry hand) and get a qualified service technician to check it. Keep this unit far away from heat sources such as radiators, heat registers, stoves, etc.

CAUTION
RISK OF ELECTRIC SHOCK, DO NOT OPEN
AVIS: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR



This triangle on your component alerts you to the presence of uninsulated “dangerous voltage” inside the enclosure that may be sufficient to constitute a risk of shock.



This triangle on your component alerts you to important operating and maintaining instructions in this accompanying literature.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER ALL SERVICING TO A QUALIFIED SERVICE PERSONNEL.

Keep this unit clean by using a soft dry brush and occasionally wiping it with a damp cloth. Do not use any other solvents, which may damage the paint or plastic parts. Regular care and inspection will be rewarded by a long product life and maximum reliability.

This unit was carefully packed at the manufacturing site and the packing box was designed to protect the unit from rough handling. We recommend that you carefully examine the packaging and its contents for any signs of physical damage which may have occurred during transportation.

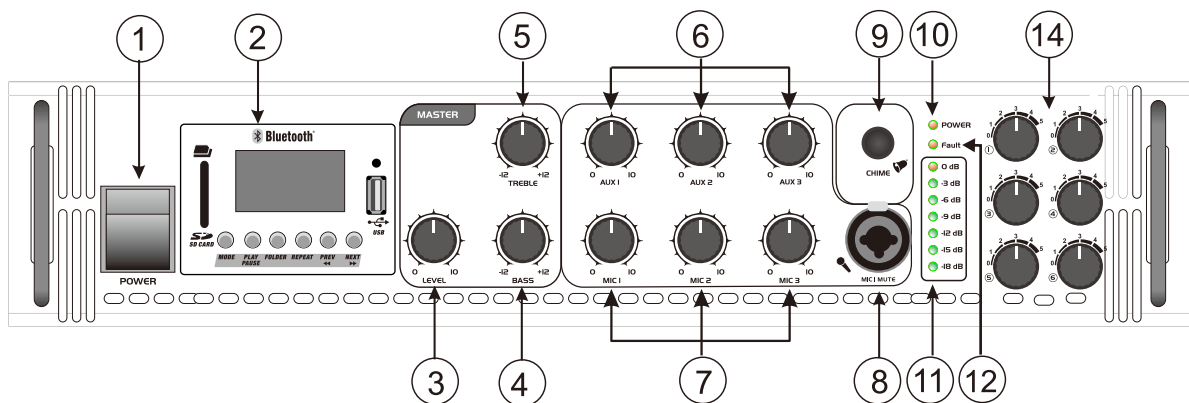
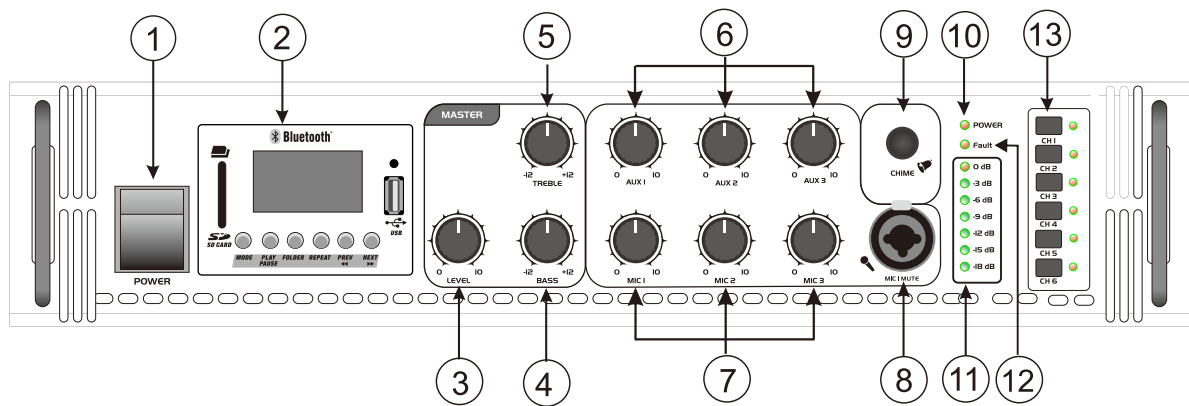
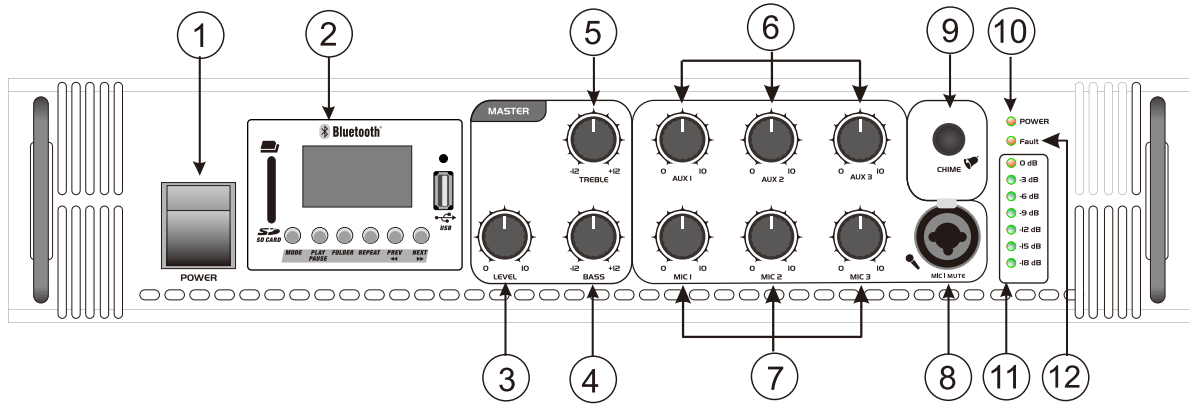
PRECAUTIONS

- ★ Connect the power cord to an right AC outlet as stated in this manual.
- ★ This device falls under protection class I, the ground lead of power cable must be earthed truly. Do not detach the ground from the housing!
- ★ Do not bend, twist, pull or heat the power cord.
- ★ Do not place heavy objects, including this mixer, on top of the power cord. A damaged power cord may cause fire or electrical shock.
- ★ Do not open and modify the unit under any circumstances. Doing so may cause fire or electrical shock. No user-serviceable parts are inside. Refer all servicing to a qualified service personnel.
- ★ If the unit is damaged or functions abnormally, turn off the unit and notify your dealer immediately for repair.
- ★ Never put burning object on the device, such as burning candle.
- ★ Never put object filled with liquid on the device, such as vase etc.
- ★ Do not allow water or liquids to be spilled into this unit. Liquids inside this unit can cause fire or electrical shock.

FEATURES

- Fan-cooled
- 3 Mic and 3 Line inputs
- 1 line output
- 4-16 Ohms output for connecting a passive
- 1 Mic-connection on the front panel with Priority-function
- ST series with MP3(LCD display) player
- 7 segments level indicator
- Protection-circuits: over current, short circuit, turn-on delay
- ST-B/BC: with 6 zone outputs
- Treble and bass control
- Main volume control
- Dimension: 2U
- 70 V, 100 V PA-outputs

FRONT PANEL DESCRIPTION



1. POWER SWITCH(turn on/off)

2. Mp3 PLAYER

ST series with Mp3(LCD display) player.

3. MASTER LEVEL CONTROL

A rotated knob to adjust the level of the master output.

4. BASS CONTROL

A rotated knob to increase or lower the LOW of the input signal.

5. TREBLE CONTROL

A rotated knob to increase or lower the HIGH of the input signal.

6. LINE 1-3 CONTROL

3 rotated knobs to adjust the level of the 3 LINE input signals. The MP3 player level is controlled by the knob of LINE1.

7. MIC 1-3 CONTROL

3 rotated knobs to adjust the level of the 3 MIC input signals.

8. MIC1 SOCKET

To connect microphone with jack-plug, a priority microphone.

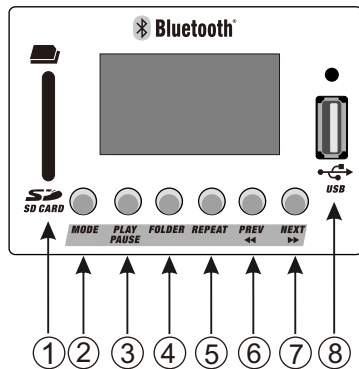
9. CHIME-BUTTON

10. POWER LED DISPLAY

11. SIGNAL LED DISPLAY

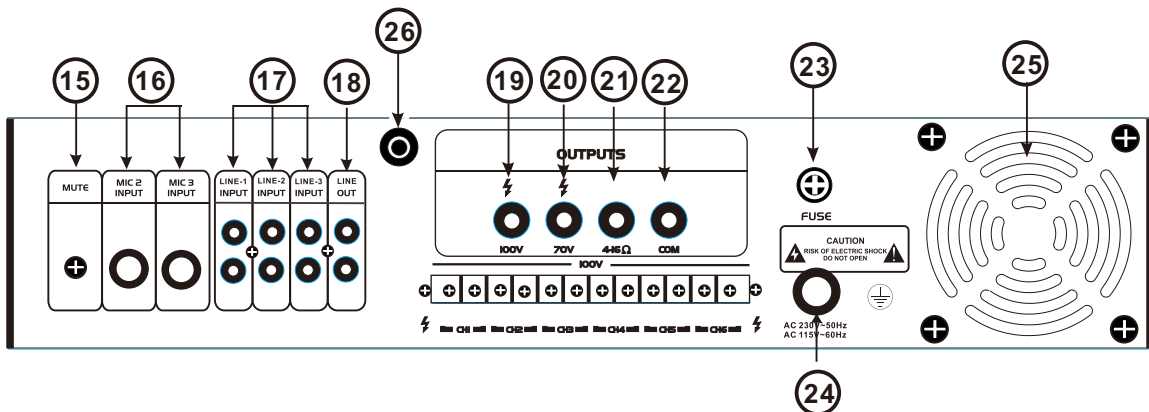
The display shows the master output signal.

Mp3 PLAYER WITH BLUE TOOTH AND RECORDER



- (1) The SD card connector.
- (2) Mode: Press this key and release, change the source to USB, SD or Blue Tooth.
- (3) Play/Pause: In playing state, press this key to pause playing.
- (4) Folder/Record: Press this key and release, enter the menu; push this button and hold it, jump to recording state.
- (5) Cycle mode: Press this key to change cycle mode.
- (6) Prev-/◀◀: Press this key and release, jump to the previous song and play; push this button and hold it, enter the rewind state.
- (7) Next/▶▶: Press this button and release, jump to the next song and play; push this button and hold it, enter the fast forward state.
- (8) The USB connector.

REAL PANEL DESCRIPTION



15. MUTE CONTROL

For signal attenuation between 0 and -30 dB.

16. MIC 2-3 INPUT SOCKETS

Connect your microphones with 6.35mm jack-plug here. The signals can be controlled via the controls MIC 2 and MIC 3.

17. LINE 1-3 INPUT SOCKETS

Connect your LINE-sources here. The signals can be controlled via the controls LINE 1 to LINE 3.

18. LINE OUT

Output socket for connecting further mixing amplifiers.

19. 100V OUTPUT SOCKET

This output socket with 100V voltage for connecting your PA-speakers .

20. 70V OUTPUT SOCKET

This output socket with 70V voltage for connecting your PA-speakers .

21. 4-16Ω OUTPUT SOCKET

This output socket for connecting your passive speaker-system which has 4-16Ω impedance .

22. COM OUTPUT SOCKET

Common pole for PA or passive connection.

23. FUSE HOLDER

Only replace the fuse when the device is disconnected from mains. Only use fuses of the same rating and Power.

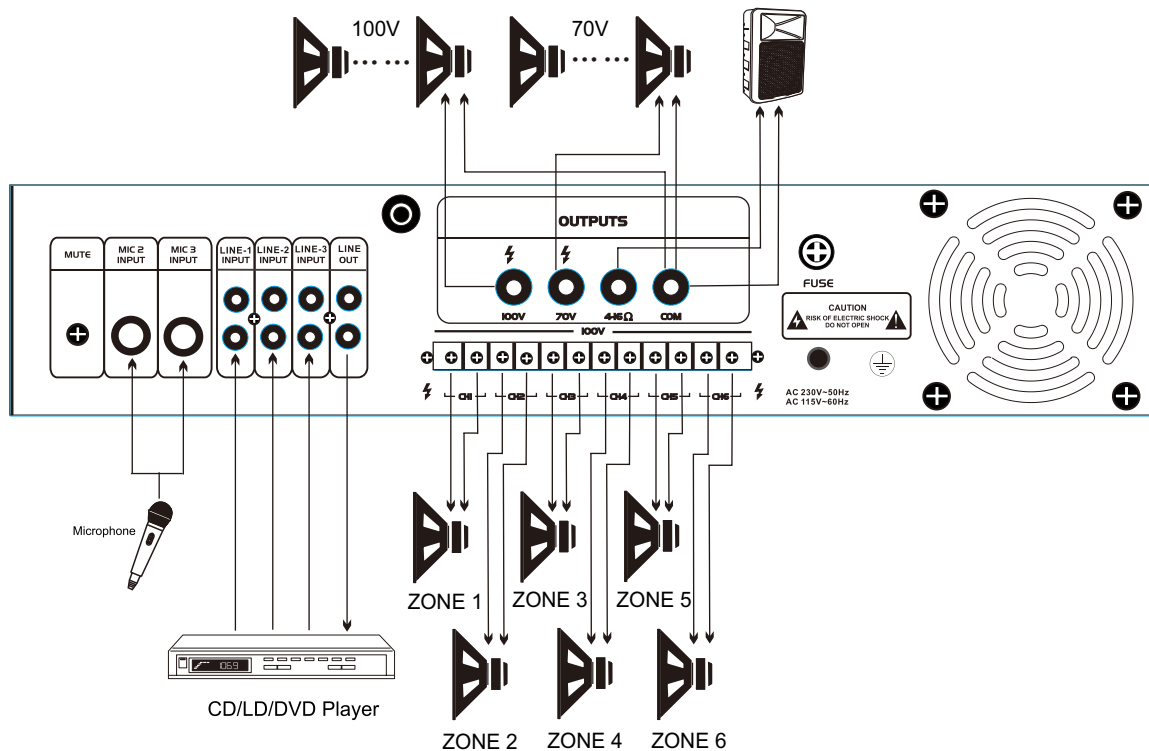
24. POWER CABLE

The AC power input decided by client, the voltage may be AC115V~60Hz or AC230V~50Hz.

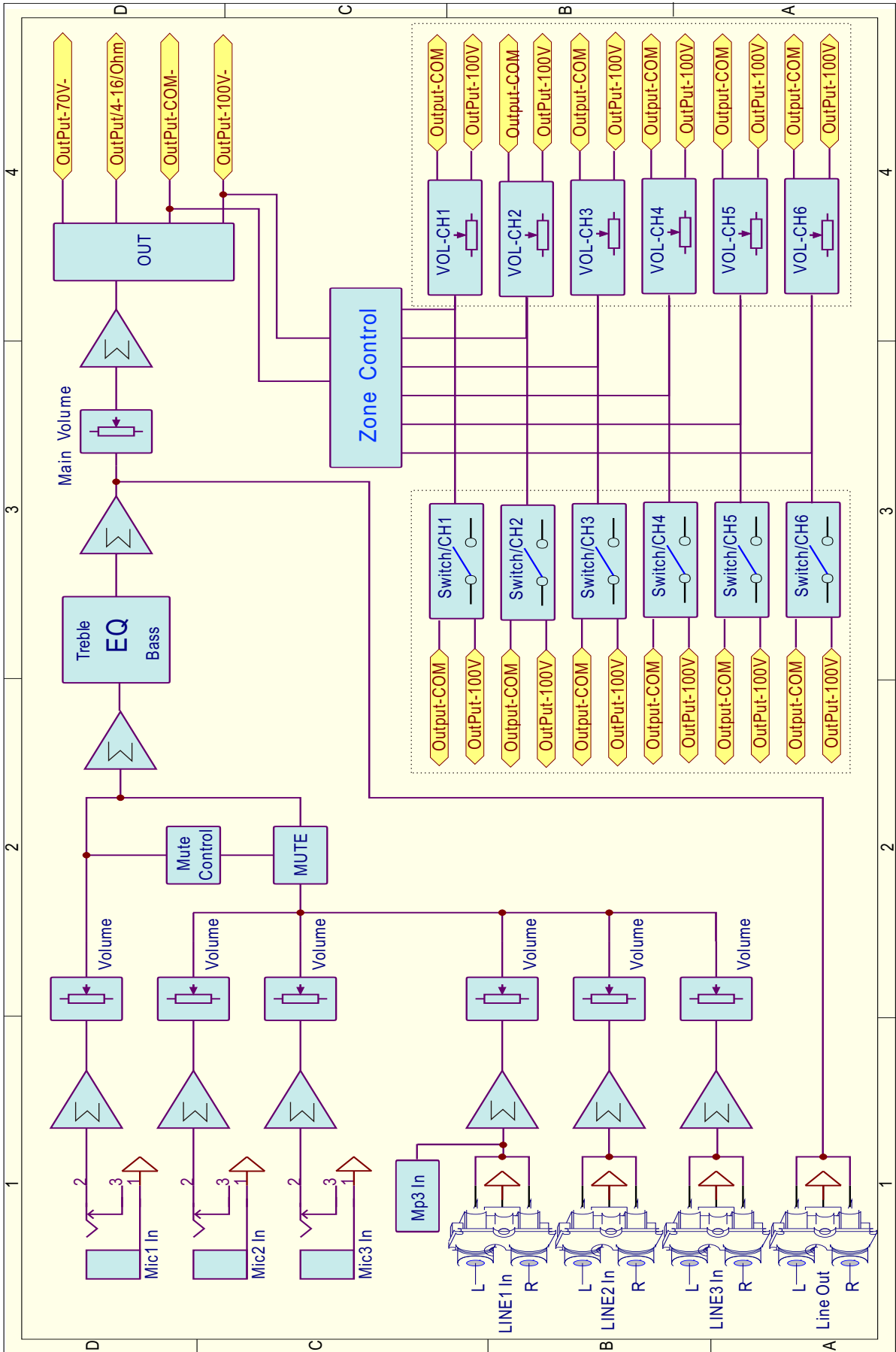
25. AIR EXPORT

26. FM RADIO

CONNECTORS



ST SERIES BLOCK DIAGRAM



TECHNICAL PARAMETER

MODEL	CPA-60C	CPA-120C	CPA-180C	CPA-250C	CPA-350C
Output power	60W RMS	120W RMS	180 W RMS	250 W RMS	350 W RMS
Output type	70 V, 100 V or 4-16 Ω	70 V, 100 V or 4-16 Ω	70 V, 100 V or 4-16 Ω	70 V, 100 V or 4-16 Ω	70 V, 100 V or 4-16 Ω
Mic input	3mV, 600 Ohms	3mV, 600 Ohms	3mV, 600 Ohms	3mV, 600 Ohms	3mV, 600 Ohms
Line input	200mV, 10k Ohms	200mV, 10k Ohms	200mV, 10k Ohms	200mV, 10k Ohms	200mV, 10k Ohms
Frequency range	80 Hz - 16 kHz	80 Hz - 16 kHz	80 Hz - 16 kHz	80 Hz - 16 kHz	80 Hz - 16 kHz
Distortion	0.5 % (1 kHz)	0.5 % (1 kHz)	0.5 % (1 kHz)	0.5 % (1 kHz) 0.5	0.5 % (1 kHz) 0.5
Signal /Noise ratio:	Aux	85 dB	85 dB	85 dB	85 dB
	Mic	116 dB	116 dB	116 dB	116 dB
Carton dimensions	540X383X165mm	540X450X165mm	540X450X165mm	540X450X165mm	540X450X165mm
Weight	9.25kg	11kg	12 kg	14 kg	16 kg