

NOTES

- a. Please read the entire attached documents carefully before using the device, and keep them for your reference.
- b. The power supply must match the demand of the device with reliable ground wire.
- c. All covering signal should be complied with the demand of the device.
- d. Make sure to shut off before connecting
- e. The device should be equipped far away high temperature, moisture and powerful electromagnetic field.
- f. Please don't use organic cleaner but dry soft cloth to clear the device.

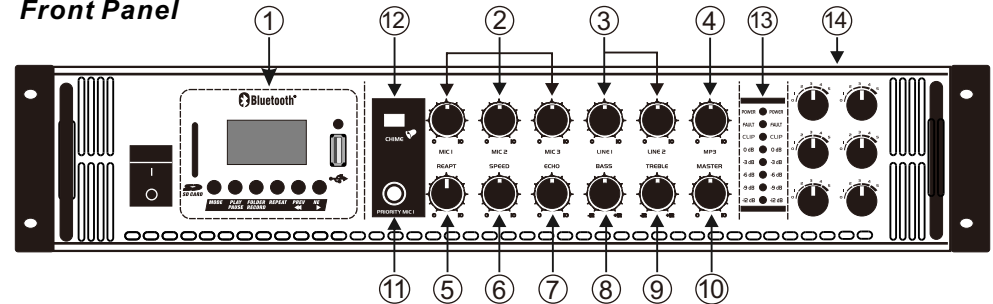
ST SERIES PUBLIC ADDRESS AMPLIFIER

Please use the original packaging if the device is to be transported.
Never remove the serial barcode from the device as this would make the guarantee void.
Please consider that unauthorized modifications on the speaker-system are forbidden due to safety reasons! If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, hearing loss etc.

Features

- 3 Mic and 2 Line inputs
- 1 Line output
- With LCD player
- 6-segment level indicator, power supply indicator and fault indicator
- Treble and bass control, Master-control
- 1 Mic-connection on the front panel with Priority-function
- Protection-circuits: over current, short circuit, turn-on delay
- 70 V, 100 V PA-outputs
- Screw terminals of 6 zone outputs
- 4-16 Ohms output for connecting a passive speaker-system for monitor, maximal output power less than third of the rating power.
- Fan-cooled

Front Panel



(1) MP3 PLAYER

A Mp3 player with blue tooth and recorder.

(2) MIC 1~3 CONTROL

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

(3) LINE 1~2 CONTROL

2 rotated knobs to adjust the level of the 2 line input signals.

(4) MP3 CONTROL

A rotated knob to adjust the level of the 3 MIC input signals.

(5) REPEAT CONTROL

A rotated knob to adjust the repeat of the delay effector.

(6) SPEED CONTROL

A rotated knob to adjust the speed of the delay effector.

(7) ECHO CONTROL

A rotated knob to adjust the volume of the delay effector.

(8) BASS CONTROL

A rotated knob to increase or decrease the low frequency of the input signal.

(9) TREBLE CONTROL

A rotated knob to increase or decrease the high frequency of the input signal.

(10) MASTER LEVEL CONTROL

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

(11) MIC1 SOCKET

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

(12) CHIME BUTTON**(13) POWER LED INDICATOR, FAULT LED INDICATOR, SIGNAL LED INDICATOR**

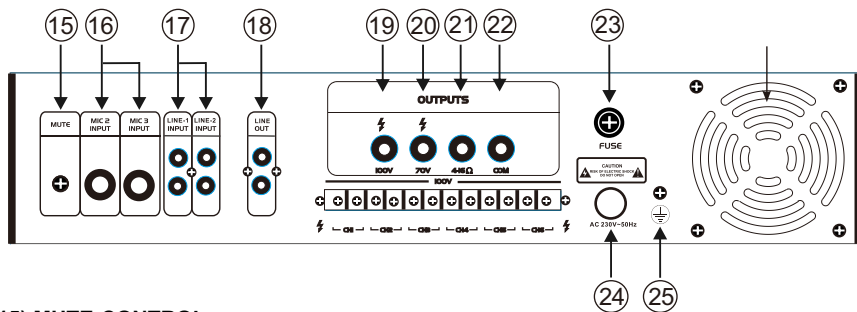
The power LED lighting means the amplifier is turned on.

The fault LED lighting means load short-circuited, zero-offset over or over-heat .

A 6-segment LED meter indicates the master output signal.

(14) 6 ZONE KNOB

6 rotatable band switches, to adjust 6 zone volumes in 5 steps.

Rear Panel**(15) MUTE-CONTROL**

For signal attenuation between 0 and -30 dB.

(16) MIC 2, MIC3 INPUT SOCKETS

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

(17) LINE-1, LINE-2 INPUT SOCKETS

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

(18) LINE OUT

Output sockets for connecting further mixing amplifiers.

(19) PA 100V OUTPUT POST

A red post for connecting your PA-speakers with COM post. This out voltage is about 100V.

(20) PA 70V OUTPUT POST

A red post for connecting your PA-speakers with COM post. This out voltage is about 70V.

(21) 4-16OHM OUTPUT SOCKET

A red post for connecting your passive speaker-system with COM post.

(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) AC POWER SUPPLY

Connect this power cord to a high-power outlet with same voltage as rear panel silk-screen.

(25) SCREW TERMINAL FOR CONNECTING EARTH**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.

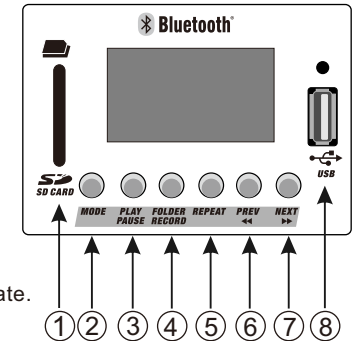
(4) Folder/Record: Press this key and release, enter the menu; push this button and hold it, jump to recording state.

(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.

**Technical Specifications**

MODEL	ST2120/B/BC	ST2250/B/BC	ST2350/B/BC	ST2650/B/BC
Output power	120W RMS	250 W RMS	350 W RMS	650 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
Mic input	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
Frequency range	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	0.5 % (1 kHz) 0.5	0.5 % (1 kHz) 0.5
Signal/Noise ratio:	Aux	85 dB	85 dB	85 dB
	Mic	116 dB	116 dB	116 dB
Carton dimensions	540X450X165mm	540X450X165mm	540X450X165mm	540X506X165mm
Weight	11kg	14 kg	16 kg	20 kg