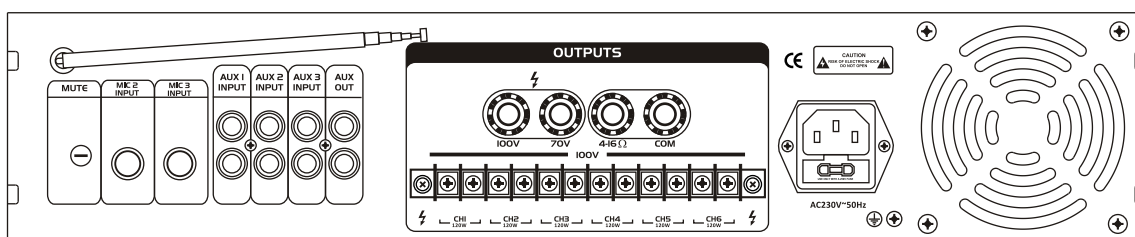
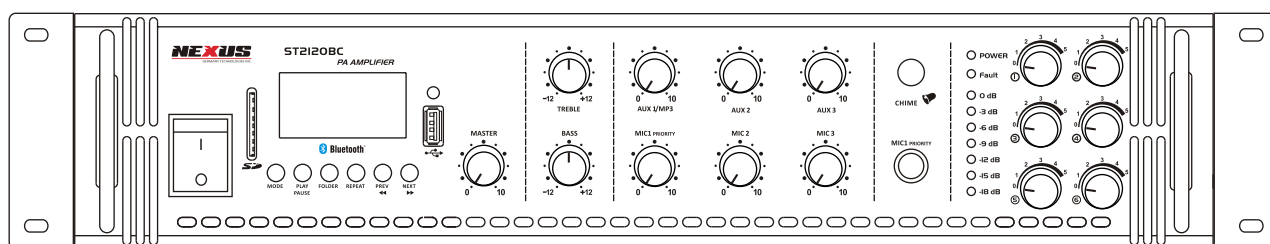


User'S Manual

Professional Public Address Power Amplifier



ST2I20BC	120W
ST2I80BC	180W
ST2250BC	250W
ST2350BC	350W
ST2500BC	500W
ST2650BC	650W



SAFETY PRECAUTIONS!

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.

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.

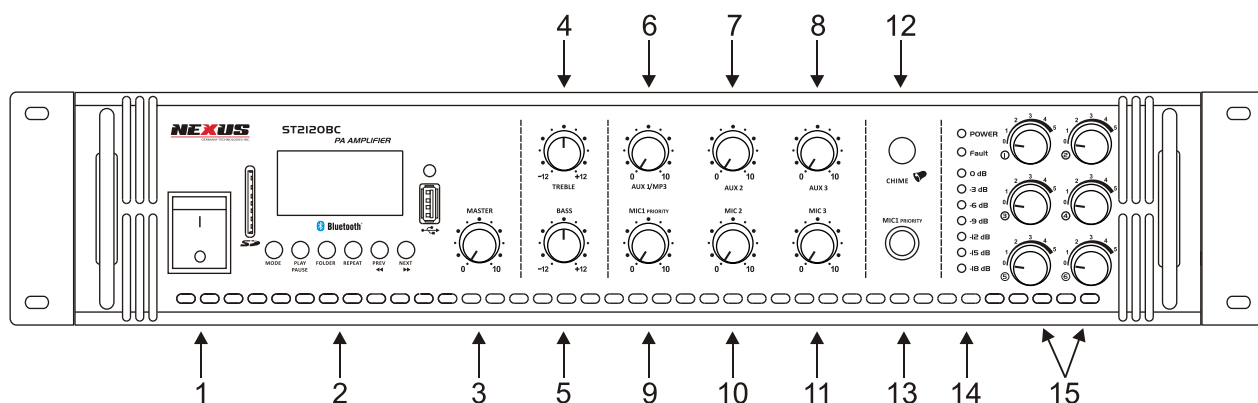
PRECAUTIONS

- 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

- > 3 MIC inputs, 3 AUX inputs and 1 AUX output
- > 1 MIC-connection and Chime button on the front panel with priority-function
- > Treble and bass controller, Main volume controller
- > 7 segments level indicator and fault indicator
- > Protection-circuits: over current, short circuit, turn on delay
- > 6 Zone outputs with independent volume controllers
- > 4-16 Ohm output for connecting a passive speaker
- > 70V, 100V PA-outputs for connecting PA-speakers
- > Built-in Mp3 player with Bluetooth and FM radio

FRONT PANEL DESCRIPTION



1. Power Switch

Pushing the power switch to “1” position to turn on the power amplifier and “0” position to turn off the power amplifier.

2. Mp3 Player

(2A) The SD card connector.

(2B) Mode: Push this key and release, change the play mode to USB, SD card, Bluetooth or FM radio. Push this key with 1 second, turn off or turn on the player.

(2C) Play/Pause: In playing state, push this key and release to pause playing, push it again to recover playing. In FM radio mode, press it and release, automatic searching FM station.

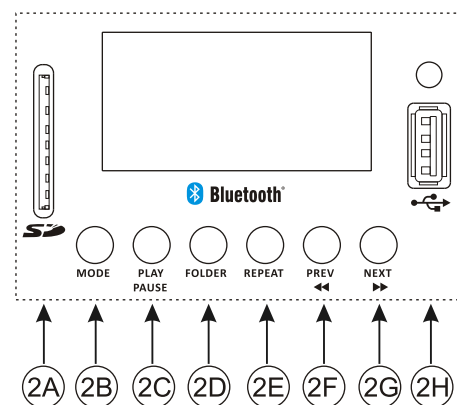
(2D) Folder: Push this key and release, enter the folder menu. Then push the “PREV” or “NEXT” key to select a song, and push the “PLAY/PAUSE” key to play.

(2E) Repeat: Push this key to change cycle mode.

(2F) Prev/◀◀: Push this key and release, play the previous song. In USB or SD playing mode, push it and hold to enter the fast rewind mode. In Bluetooth or FM mode, push it and hold to decrease volume.

(2G) Next/▶▶: Push this key and release, play the next song. In USB or SD playing mode, push it and hold to enter the fast forward mode. In Bluetooth or FM mode, push it and hold to increase volume.

(2H) The U-disk connector.



3. Master Level Control

A rotated knob to control the level of the master output, and send the master output signal to the inside amplifier.

4. Treble Control

A rotated knob to increase or lower high frequency of main mix. Turn this knob clockwise to boost high frequency. The control has a shelving response giving 12dB of boost or cut at 10kHz.

5. Bass Control

A rotated knob to increase or lower low frequency of main mix. Turn this knob clockwise to boost low frequency. The control has a shelving response giving 12dB of boost or cut at 100Hz.

6. Aux1/Mp3 Control

A rotated knob to control the level of the Aux1 and Mp3 input signals, and send the Aux1 and Mp3 signals to the main mix.

7. Aux2 Control

A rotated knob to control the level of the Aux2 input signals, and send the Aux2 signal to the main mix.

8. Aux3 Control

A rotated knob to control the level of the Aux3 input signal, and send the Aux3 signal to the main mix.

9. Mic1 Control

A rotated knob to control the level of the Mic1 input signal, and send the Mic1 signal to the main mix.

10. Mic2 Control

A rotated knob to control the level of the Mic2 input signal, and send the Mic2 signal to the main mix.

11. Mic3 Control

A rotated knob to control the level of the Mic3 input signal, and send the Mic3 signal to the main mix.

12. Chime-button

Pushing the CHIME button send a chime signal. The chime input with priority-function.

13. Mic1 Connector

The Mic1 connector accepts a XLR or TRS type phone jack on front panel. Please use a low impedance microphone and a properly wired cable for best results. The Mic1 input with priority-function.

14. Power Led, Fault Led And Signal Level

The Power Led indicates the AC power supply.

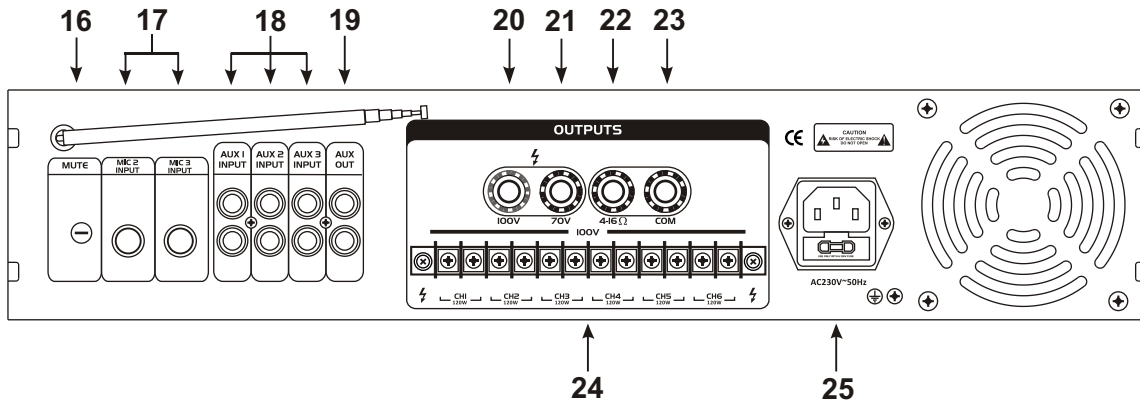
The Fault Led indicates load-short, zero-offset over or over-heat.

7-segment Led meter indicates the master output signal level.

15. Zone Knobs

Six rotatable band switches, to control the 6 zone outputs volume in 5 steps.

REAL PANEL DESCRIPTION



16. Mute Control

Mic1 and Chime input with priority-function, mute other input automatically. This control signal attenuation between 0 and -30dB.

17. Mic2 And Mic3 Inputs

Connect your microphones here with 6.35mm jack-plug. Please use a low impedance microphone and a properly wired cable for best results.

18. Aux1, Aux2 And Aux3 Inputs

These inputs (with RCA sockets) accept line-level sources, such as: CD player and so on.

19. Aux Out

Aux output provides line-level signal to other device, such as: recording devices or mixing amplifiers.

20. 100V Output

100V output binding post provides power output to your PA-speakers with maximum voltage 100V.

21. 70V Output

70V output binding post provides power output to your PA-speakers with maximum voltage 70V.

22. 4-16 Ω Output

4-16 Ω output binding post for connecting your passive speaker-system.

23. Com Output Socket

Common pole for PA or passive connection.

24. Zone Output

A terminal strip provides six groups of zone output, and with maximum 100V voltage.

25. Power Input Connector With Fuse

Connect the power input connector to your AC power outlet(with the voltage AC230V/50Hz only) with a suitable power cord. Do not bend, twist, pull or heat the power cord. Do not place heavy objects, including this amplifier, on top of the power cord. A damaged power cord may cause fire or electrical shock.

TECHNICAL PARAMETER

Model		ST2120BC	ST2180BC	ST2250BC	ST2350BC	ST2500BC	ST2650BC
Output Power		120W, RMS	180W, RMS	250W, RMS	350W, RMS	500W, RMS	650W, RMS
Output Type		70V, 100V or 4-16 Ω					
Mic Input		5mV, 600 ohm					
Line Input		300mV, 10k ohm					
Frequency Range		80 Hz - 16 kHz					
Distortion		0.5 % (1 kHz)					
Signal /noise Ratio:	Aux	85 dB					
	Mic	116 dB					
Carton dimensions		540*417*165		540*450*165		540*486*165	
Weight		11kg	12kg	14kg	16kg	18kg	20kg

CONNECTIONS

