

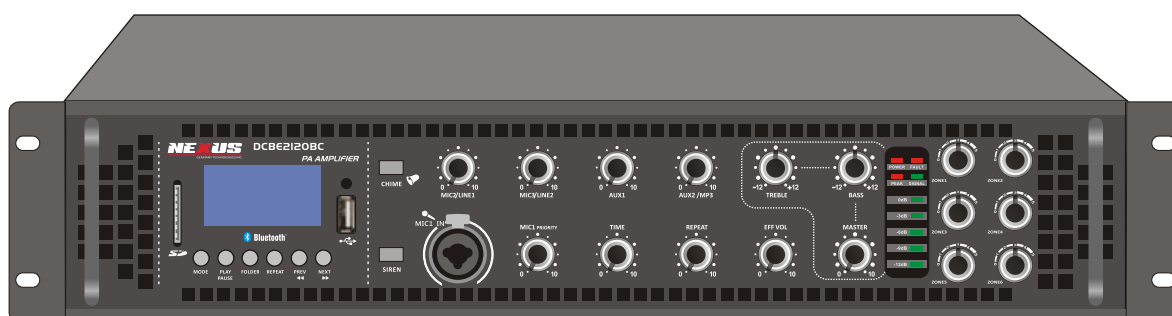
USER'S MANUAL

PUBLIC ADDRESS POWER AMPLIFIER

NEXUS

GERMANY TECHNOLOGIES INC.

DCBE2120BC	120W
DCBE2180BC	180W
DCBE2250BC	250W
DCBE2350BC	350W



PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE

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.

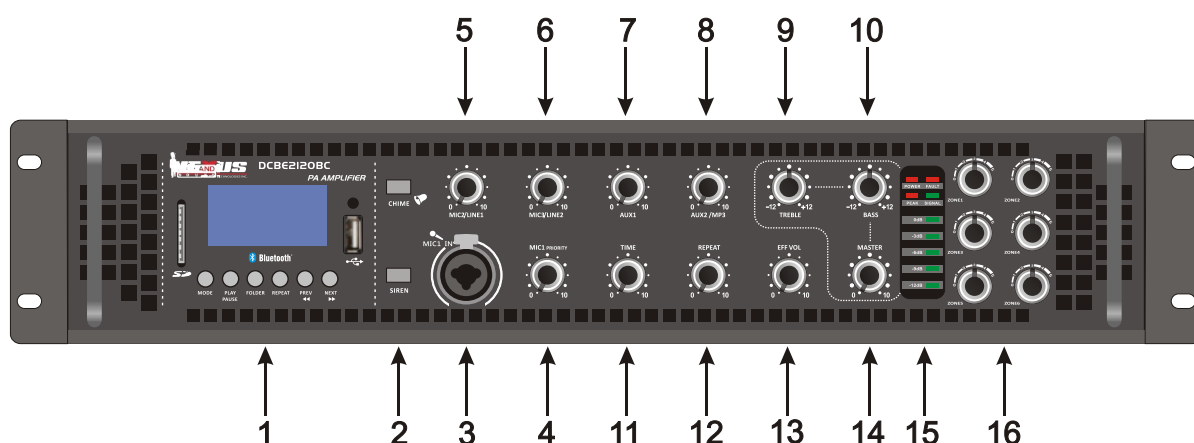
PRECAUTIONS

- **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.**

FEATURE

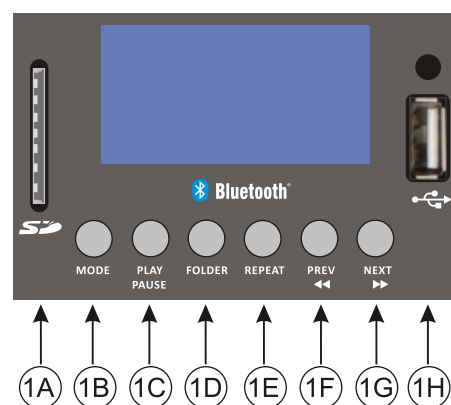
- > 1 MIC input on front panel, 2 MIC/LINE inputs and 2 AUX inputs on rear panel
- > 1 Pre-amp output, 1 group of Aux Send and Aux Return
- > CHIME and SIREN button
- > MIC1 input, Chime and Siren sound with priority function
- > MIC2 and MIC3 input with delay effect, inside effector with 3 knobs
- > Main volume adjuster, treble and bass adjusters
- > 5-segment level indicator, signal, peak and fault indication
- > Mp3 player with Bluetooth and FM radio
- > Protection: over current, over heating, short-circuit, limiter, turn on delay and DC offset
- > 6 zoning output with volume adjusters
- > Output: 100V, 70V, 4~16 ohm
- > Power supply: AC230V, DC24V(backup power)

FRONT PANEL DESCRIPTION



1. Mp3 Player

- (1A) The SD card connector.
- (1B) 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.
- (1C) 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.
- (1D) 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.
- (1E) Repeat: Push this key to change cycle mode.
- (1F) Prev-/◀◀: Push this key and release, play the previous song. In USB or SD playing mode, push it and hold, enter the fast rewind state. In Bluetooth or FM mode, push it and hold, decrease volume.
- (1G) Next/▶▶: Push this key and release, play the next song. In USB or SD playing mode, push it and hold, enter the fast forward state. In Bluetooth or FM mode, push it and hold, increase volume.
- (1H) The U-disk connector.



2. Chime And Siren Button

Pushing the CHIME button send a chime signal.

Pressing down the SIREN button send an alarm signal.

3. 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.

4. Mic1 Vol

This knob controls the Mic1 channel signal volume, and send the Mic1 channel signal to the main mix.

5. Mic2/Line1 Vol

This knob controls the Mic2/Line1 channel signal volume, and send the Mic2/Line1 channel signal to the main mix.

6. Mic3/Line2 Vol

This knob controls the Mic3/Line2 channel signal volume, and send the Mic3/Line2 channel signal to the main mix.

7. Aux1 Vol

This knob controls the Aux1 channel signal volume, and send the Aux1 channel signal to the main mix.

8. Aux2/Mp3 Vol

This knob controls the Aux2/Mp3 channel signal volume, and send the Aux2/Mp3 channel signal to the main mix.

9. Treble Control

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

10. Bass Control

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

11. Time Control Of Effector

A rotated knob to increase(clockwise) or decrease(anticlockwise) the delay time of the effect.

12. Repeat Control Of Effector

A rotated knob to increase(clockwise) or decrease(anticlockwise) repeat of the effect.

13. Eff Vol

A rotated knob to controls the volume of the effect signal.

14. Master

A rotated knob to controls the final volume of the Main output.

15. Power, Fault, Peak, Signal And Level Indicator

When the power switch is turned on, the POWER LED will be illumed, so the user may be aware of it. When the FAULT LED is illumed, means the device is damaged, so you must stop using it.

The PEAK indicator circuit monitors the output signal level. When it illuminates, means that the volume knob or EQ boost should be reduced.

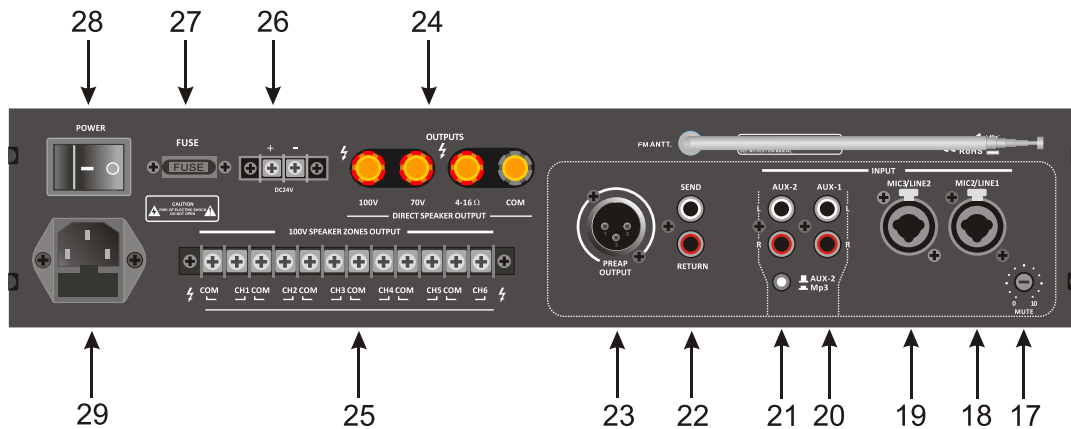
The signal LED lights when the output signal level reaches approximately -30dBu.

10-segment LED meter monitors output signal level.

16. Zone Controls

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

REAR PANEL DESCRIPTION



17. Mute Control

This control adjusts the mute degree of priority-function on MIC1, chime and siren.

18. Mic2/Line1 Input

The Mic2 input accepts a microphone with XLR jack while the Line1 input accepts a line-level source with TRS jack. Please use a low impedance microphone and a properly wired cable for best results.

19. Mic3/Line 2 Input

The Mic3 input accepts a microphone with XLR jack while the Line2 input accepts a line-level source with TRS jack. Please use a low impedance microphone and a properly wired cable for best results.

20. Aux-1 Input

The Aux-1 input (with RCA sockets) accepts a line-level source, such as: CD player and so on.

21. Aux-2 Input And Aux-2/Mp3 Button

The Aux-2 input (with RCA sockets) accepts a line-level source, such as: CD player and so on. A button for selecting Aux-2 input or Mp3 input.

22. Aux Send And Return

Connect Aux Send(with RCA jack) to another device for sending output signal to that device. Connect Aux Return(with RCA jack) to another device for accepting signal from that device. If you don not use these, please connect Aux Send and Aux Return for short circuit.

23. Preamp Out

The PREAMP(previous amplifier) OUTPUT with XLR-M socket provides signal to a cassette deck or home audio equipment.

24. Speaker Output Connector With Pole

The 4 pole connectors for connecting speakers. The 100V red binding post for connecting your PA-speakers, the maximum voltage is 100V. The 70V red binding post for connecting your PA-speakers, the maximum voltage is 70V. The 4-16Ω red binding post for connecting your passive speaker system. The COM binding post is a common pole for PA-speakers and passive speaker connection.

25. Zone Output

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

26. DC 24V IN

The 2 terminals connected to a DC24V battery for back-up supplying of this PA-amplifier.

27. Fuse Holder For DC24 In

The DC fuse holder in series with DC 24V terminals. A fuse in the holder to protect the battery and DC24V supply circuit.

28. Power Switch

Press the power switch to **1** position to turn on the power amplifier and **0** position to turn off the power amplifier.

29. Power Input Connector With Fuse

The power input connector is connected to an electrical outlet by power cord. The amplifier can be supplied with the voltage AC115V/60Hz or AC230V/50Hz(push the power supply selector).

TECHNICAL SPECIFICATIONS

Model	DCBE2120BC	DCBE2180BC	DCBE2250BC	DCBE2350BC
Rating power	120W RMS	180W RMS	250W RMS	350W RMS
Mic input	5mV, 600 ohms			
Line input	300mV, 10k ohms			
Freq. Response	80Hz~16kHz			
Distortion	0.5%(1kHz)			
S/N Ratio	MIC: 120dB, LINE/AUX: 85dB			
AC FUSE	5A/250V	5A/250V	5A/250V	7A/250V
DC FUSE	20A/250V	20A/250V	25A/250V	25A/250V

CONNECTIONS

