

Control Amplifier

**Bus
Coach
Autocar**



BCA 46

Bedienungsanleitung
Operating instructions
Mode d'emploi
Instrucciones de manejo
Istruzioni d'uso
Gebruiksaanwijzing
Bruksanvisning
Bruksanvisning
Käyttöohje
Kullanım kılavuzu



 **BLAUPUNKT**
Bosch Gruppe

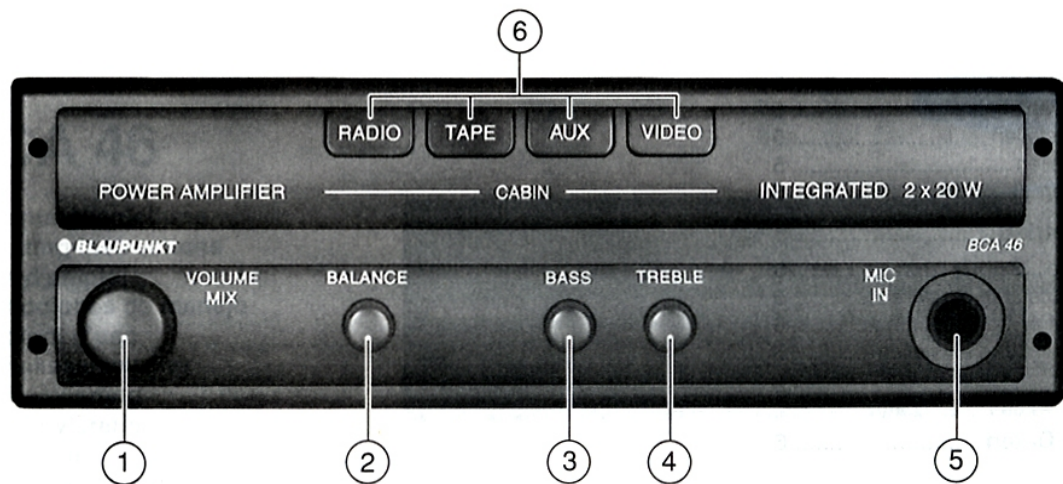


Table of contents

Short instructions	8
Important notes	8
Operating the coach audio system while driving	8
General system information	8
Operation	9
Switching the unit on and off	9
Selecting the audio source	9
Setting the volume	9
Setting the balance	9
Setting the tone	9
Microphone operation	9
Driver microphone	9
Setting the microphone volume	9
Guide microphone	10
Setting the microphone volume	10
MIX mode	10
Specifications	10

Short instructions

CABIN: Passenger area

① VOLUME-MIX knob

VOLUME

- To adjust the source volume in the cabin area,
 - turn the knob
(no microphone is switched on).
- To adjust the volume of the driver microphone,
 - turn the knob
(driver microphone is switched on).
- To adjust the volume of the guide microphone,
 - turn the knob
(guide microphone is switched on and driver microphone off).

MIX

- To fade in the selected cabin source during an announcement made with the guide microphone,
 - press the knob and turn.
- The adjusted volume remains stored.

② BALANCE knob

- To adjust the volume balance in the cabin area,
 - turn the knob.

③ BASS knob

- To adjust the bass frequencies in the cabin area,
 - turn the knob.

④ TREBLE knob

- To adjust the treble frequencies in the cabin area,
 - turn the knob.

⑤ MIC IN socket

- To connect the guide microphone with the on/off switch.

⑥ CABIN source selectors

- To select the desired source RADIO, TAPE, AUX or VIDEO for the cabin area,
 - press the corresponding button.
- The selected function key lights up red.

Important notes

Operating the coach audio system while driving

Today's traffic conditions require the full attention of all road users.

Therefore, you should operate your coach audio equipment only if it is permitted by the current traffic situation.

Should the traffic situation become particularly demanding, we advise you not to use the radio.

Always adjust the volume such that you are still able to hear any warning signals coming from outside.

General system information

The BCA 46 is a control unit with integrated 2 x 20 W amplifier, representing the head unit to which the individual audio sources for the cabin area as well as the driver and guide microphone are connected.

The audio sources RADIO and TAPE are supplied to the BCA 46 by the connected coach radio.

Microphone announcements made with the driver microphone have priority over the other audio sources. When using the guide microphone you can accompany your announcement with a musical background from the active audio source.

Operation

Switching the unit on and off

The control unit is turned on and off via the connected radio.

If you want to use the driver microphone only, you can also switch the unit on and off with this microphone.

Selecting the audio source

To select the desired source RADIO, TAPE, AUX or VIDEO,

- press the corresponding **CABIN** button.

The selected function key lights up red.


Note:

When selecting the VIDEO source, the connected monitors are automatically turned on, if they have been wired accordingly.

Setting the volume

To set the source volume in the cabin area,

- turn the **VOLUME-MIX** knob.

Volume up: 

Volume down: 

Setting the balance

To set the balance between the left and right speaker channels,

- turn the **BALANCE** knob.


Left speaker volume up: 

Right speaker volume up: 

Setting the tone

To adjust the bass frequencies,

- turn the **BASS** knob.

Increase bass: 

Reduce bass: 

To adjust the treble frequencies,

- turn the **TREBLE** knob.

Increase treble: 

Reduce treble: 

Microphone operation

The BCA 46 control unit is equipped with two microphone inputs, one for connecting a driver microphone (rear side), the other one for a guide microphone (front side).

The programmed microphone volume is stored separately for each microphone and will be used again for all subsequent announcements.

(All announcements made with the guide microphone will be heard in the cabin area only.)

Driver microphone

You can use the separate switch on the driver microphone to turn on the control unit in order to make an announcement.

The driver microphone always has priority over the guide's microphone, i.e. as soon as it is switched on, the guide microphone and the selected audio source will be muted immediately.


Setting the microphone volume

Turn on the microphone.

To set the microphone volume,

- turn the **VOLUME-MIX** knob.

Volume up: 

Volume down: 

Guide microphone

Announcements with the guide microphone can be made only, if the driver microphone is turned off.


Setting the microphone volume

Turn on the microphone.

To set the microphone volume

- turn the **VOLUME-MIX** knob

Volume up: 

Volume down: 

MIX mode

The BCA 46 can be operated in MIX mode, making it possible to accompany the announcements made via the guide microphone with a musical background from the selected cabin audio source in the adjusted volume.

- Set the cabin volume of the selected audio source.
- Switch on the microphone and adjust the desired announcement volume.

To start mix operation,

- press the **VOLUME-MIX** knob and turn in order to adjust the desired background music level.

Note:

The background music level cannot be higher than the adjusted cabin volume.

Operating voltage : + 24 V

Max. current drain : 4 A

Max. input level

Radio : 2 V

Tape : 2 V

Aux : 2 V

Video : 0.6 V

Frequency response : 40 Hz to 20 kHz

THD (1 kHz) : < 0.2 %

Balance setting : 0 dB to -15 dB

Bass setting : ± 7 dB

Treble setting : ± 8 dB

Microphone operation

Microphone type : Dynamic

Frequency response : 100 Hz to 6.5 kHz

Relay output : max. 24 V / 5 A

Dimensions

(without front panel)

Width : 179 mm

Height : 51 mm

Depth : 161.5 mm

incl. connectors

173.5 mm

Subject to modifications!