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Operating Instructions Busch-AudioWorld[®]

Microphone console 8205 U Busch-AudioWorld[®]





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1 Safety



Warning

Electric voltage!

Risk of death and fire due to electrical voltage of 230 V.

- Work on the 230V supply system may only be performed by authorised electricians!
- Disconnect the mains power supply prior to installation and/or disassembly!

2 Intended use

The device is part of the Busch-AudioWorld[®] system and is to be used exclusively with the components that are supplied and licensed as described in the "Structure and Function" chapter. The device must only be installed in dry indoor rooms.

2.1 Environment



Consider the protection of the environment! Used electric and electronic devices must not be disposed of with domestic waste.

The device contains valuable raw materials which can be recycled. Therefore, dispose of the device at the appropriate collecting depot.

All packaging materials and devices bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.

The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.

(EU Directive 2002/96/EC WEEE and 2002/95/EC RoHS)

(EU REACH ordinance and law for the implementation of the ordinance (EC) No.1907/2006)

3 Operation

3.1 Key assignment



Fig. 1: Functions of the display

Functions

No.	Function
A	Call zone 0-3 (red LED) or 8-11 (green LED)
В	Display
С	Call zone 4-7 (red LED) or 12-15 (green LED)
D	Voice message switch-on
E	Button for ON/OFF, - +, PROG
F	Microphone
Н	Integrated 2" loudspeaker
Н	For table mounting (long screws included)
I	Green LED: REJECT CALL (Please do not disturb function)
J	Red LED: Room monitoring

3.2 **Display and icons**



Fig. 2: Display

Meaning of symbols

No.	Function
1	Menu info / info field and station name
2	Menu options / frequency display / clock
3	Volume symbol
4	Balance/ volume level
5	Room monitoring symbol
6	Frequency symbol
7	Memory symbol
8	Menu level / station memory location
9	SETUP / MENU symbol

Busch-AudioWorld[®]

3.3 Navigation menu

The navigation menu describes the basic options of a menu item and the response of the device.

3.3.1 Transmitting voice message

- Select the desired call zone with a brief (0 ... 7) or long (8 ... 15) actuation. (LED display red or green).
- 2. Press the button (D).
 - Wait for the acoustic signal!
- 3. Press the button (F) and speak into the microphone.
- 4. Release the button (D) and the voice message is finished.

The replies can be heard.

3.3.2 Receiving voice message

When function "REJECT CALL" is deactivated the device switches the display illumination on and the calling zone is displayed.

No response when the function is activated.

3.3.3 Changing station / channel

Note



The station / channel can only be changed while the device is on!

Briefly pressing the PROG button switches between stored stations 1-8 For changing the channel see modification menu, menu level 1

3.3.4 Volume adjusting

Press the "+/-" (E) buttons to increase or decrease the volume.

3.4 Overview of the menu structure3.4.1 Function of the menu buttons

The device has a main menu with a subdivision of menu levels and menu items.

The menu levels consist of individual menu items in which the desired settings can be made.

Menu	Menu level	Menu item	Settings	Display
1/2	SETUP			
		Language		
		ZONE	Select your call zone between 0 15	
		Lighting	3 illumination options are available for	
			selection	
		Tone	4 tones are available for selection	
		Quit	Quit SETUP menu	
2/2	Modification menu			
		Channel	2 options are available:	
		Room monitoring	Switching on or off	
		Reject call function		
		Time		
		Version	Displays the version of the device	
		Quit	Quit the modification menu	

These menu levels and menu items are described in the following chapters.

3.5 Adjusting the device

3.6 SETUP menu

The setup is carried out automatically during initial commissioning or when resetting the settings (RESET).

If certain functions are not relevant for you, by pressing the "PLUS / MINUS" button you can change to the next menu item.

Carry out the device settings in the following order. A detailed description of the individual steps is contained in the following sub-sections.

Please switch the device on.

No.	Function
1	Selecting languages
2	Select the zone
3	Set the illumination of the display
4	Set the tone
5	Quit

3.6.1 Selecting languages



Fig. 3: Selecting languages

The "Language" menu is displayed automatically during initial commissioning. The device offers you several languages for selection.

Selecting languages

The language selection flashes.

- 1. Confirm the selection with the "PROG" button.
- 2. Select the desired language with the "PLUS / MINUS" button.
- 3. Confirm your language selection with the "PROG" button.

The device automatically switches to the next SEtUP menu item "ZONE".





Fig. 4: Selecting the zone

The "ZONE" menu is displayed automatically during initial commissioning. The device offers you several call zones for selection. Assign your device to a call zone position!

Selecting the zone

The zone selection flashes.

- 1. Confirm the selection with the "PROG" button.
- 2. Select the desired zone (1... 15) with the "PLUS / MINUS" button.
- 3. Confirm your language selection with the "PROG" button.

The device automatically switches to the next SEtUP menu item "ILLUMINATION".

3.6.3 Illumination



Fig. 5: Setting the illumination

In this menu you can select the reception response. The device offers you three options.

Functions / settings
The illumination is off at all times.
After pressing a button the display remains on for 20 seconds.
In an activated state the illumination remains permanently on.
F A

Setting the illumination

The illumination selection flashes.

- 1. Confirm the selection with the "PROG" button.
- 2. Select the type of illumination with the "PLUS / MINUS" button.
- 3. Confirm your selection with the "PROG" button.

The device automatically switches to the next SEtUP menu item "TONE".

3.6.4 Tone



Fig. 6: Setting the tone

In this menu you can set the tone for your device. Set the quality of the tone of your microphone console in menu tone. The device offers you three options.

TONE	Functions / settings
Volume	Balanced tone
BASS	Suitable for four deep tones
Treble	Suitable for treble tones
Exit	Exit the menu

Set the tone

The tone selection flashes.

- 1. Confirm the selection with the "PROG" button.
- 1. Select the desired tone with the "PLUS / MINUS" button.
- 2. Confirm your selection with the "PROG" button.

The device automatically switches to the next SEtUP menu item "EXIT".

3.6.5 Quit



Fig. 7: Quit SETUP menu

In this menu you select the next procedure. The device offers you two options.

QUIT	Functions / settings

Quit SETUP menu

1. Confirm your selection with the "PROG" button to exit the setup menu.

The device is ready for operation!



Note

In addition, further settings can be made (see chapter Modification menu).

3.7 Settings in the modification menu

To change the settings, press the "PROG" button for approximately 5 seconds.

If certain functions are not relevant for you, you can change to the next menu item by pressing the "plus or minus" button.

Modification options

No.	Function
1	Channel
2	Room monitoring
3	Reject call function
4	Time
	Version

3.7.1 Channel II



Fig. 8: Selecting the function

In this menu you can select the channel. The device offers you two options.

CHANNEL II	Functions / settings
Channel CH 1	AUX - output via an external signal output
Channel CH 2	Tuner - output quality from the central unit

Changing channel

The channel selection flashes.

- 1. Confirm your selection with the "PROG" button.
- 2. Select the desired channel with the "PLUS / MINUS" button.
- 3. Confirm your selection with the "PROG" button.

3.7.2 Room monitoring



Fig. 9: Switching room monitoring on or off

In this menu you can switch room monitoring on or off.

3.7.3 CALL reject function



Fig. 10: Switching CALL reject function on or off

In this menu you can switch the CALL reject function on or off.

Changing channel

The CALL reject call function flashes.

- 1. Confirm your selection with the "PROG" button.
- 2. Select the desired function with the "PLUS / MINUS" button.
- 3. Confirm your selection with the "PROG" button.





Fig. 11: Setting the time

In this menu you can set the time for the time display.

Set time

The time selection flashes.

- 1. Confirm the selection with the "PROG" button.
- 2. Set the hour with the "PLUS / MINUS" button.
- 3. Confirm your hour entry with the "PROG" button.
- 4. Set the minutes with the "PLUS / MINUS" button.
- 5. Confirm your minutes entry with the "PROG" button.

3.7.5 Version



Fig. 12: Software version

This menu shows the currently used software version of the device.



Fig. 13: Exit the modification menu

In this menu you select the next procedure. The device offers you two options.

QUIT	Functions / settings

Exiting the modification menu

1. Confirm your selection with the "PROG" button to exit the modification menu.

The device is ready for operation!

3.7.7 Rest (resetting the device)

To delete all the settings you have made and to re-enter them, the device must first be fully reset to its state at the point of delivery.

Resetting the device

_

- 1. Press buttons "PLUS / MINUS" simultaneously for approx. 5 seconds.
 - RESET flashes.
 - The device is reset and the SETUP menu opens.

All settings of your device have now been reset. Check all settings and re-enter them.

4 Technical data

Designation	Value
Operating voltage:	15 V AC, SELV
Nominal current:	200 mA
Power output:	2 x 1 W (16 Ohm)
Receiver sensitivity:	3 V ss
(Audio bus)	
Admissible loudspeaker	8 16 ohm
impedance:	
Distortion factor:	< 1 %
Protection type:	IP 20
Temperature range:	5°C 40°C
Frequency range:	40 17,000 Hz

5 Setup and function

The microphone console is intended for 15 individual call zones. The device is desktop device that can be freely combined with other components.

For optimal use and optimal function, several components are required (see page **Fehler! Textmarke nicht definiert.**).

5.1 Features of function and equipment

- 2-channel stereo/mono
- Digital volume control with adjustable tone control
- Station selection adjustable in dependence of central unit
- Channel change 1/2
- Voice message (for 15 zones + broadcast)
- Room monitoring function
- "REJECT CALL" suppression of voice messages
- Permanent storage of user parameters
- RJ 45 cable (3 m long) included

5.2 **Possible combinations**



6 Installation and electrical connection

6.1 Mounting



Warning

Electric voltage!

Risk of death due to electrical voltage of 230 V during short-circuit in the low-voltage line. – Low-voltage and 230 V lines must not be installed together in a flush-mounted socket!

6.2 Requirements for the electrician



Warning

Electric voltage!

Install the device only if you have the necessary electrical engineering knowledge and experience.

- Incorrect installation endangers your life and that of the user of the electrical system.
- Incorrect installation can cause serious damage to property, e.g. due to fire.

The minimum necessary expert knowledge and requirements for the installation are as follows:

- Apply the "five safety rules" (DIN VDE 0105, EN 50110):
 - 1. Disconnect from power;
 - 2. Secure against being re-connected;
 - 3. Ensure there is no voltage;
 - 4. Connect to earth and short-circuit;
 - 5. Cover or barricade adjacent live parts.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.
- Check the supply network type (TN system, IT system, TT system) to secure the following
 power supply conditions (classic connection to ground, protective earthing, necessary
 additional measures, etc.).

6.3 Electrical connection

6.4 Connection



Fig. 14: System diagram for selective call

No.	Function	
A	Floating contact (switch/push-button)	
	*= when external loudspeakers are connected the internal loudspeaker is switched off	

6.4.1 Installation / connection possibilities



Fig. 15: System diagram for selective call

No.	Function	
A	Floating contact (switch/push-button)	
	*= when external loudspeakers are connected the internal loudspeaker is switched off	

7 Cleaning

Dirty units can be cleaned with a dry cloth. If this is not sufficient, a cloth slightly moistened with a soap solution can be used. Caustic cleaning agents or solvents must not be used.

Operating Instructions

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