

LOG

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User Manual
CUBE



Digitally optimized, active high-end speaker

Congratulations on the purchase of LOG Audio's high-quality CUBE speaker, which was manufactured under strict quality and environmental standards.

To get the most out of all features, please read this manual carefully. We advise you to keep this manual for future reference.

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Delivered items

- 1 x CUBE
- 1 x Stainless Steel Front
- 1 x Power cable



Installation

- As an active speaker, the CUBE requires its own power supply. To do this, connect your CUBE speaker to your power outlet with the delivered power plug.
- The stainless steel front cover can be easily attached or removed by the magnetic fixation.
- Before placing the CUBE speaker on a stand or sideboard, make sure that it can support the weight of the speaker. Also, make sure you have enough floor space to avoid tipping over. It is important to pay attention to the mass center.
- Due to the rear-mounted subwoofer, a sufficient distance to the wall (at least 15 cm) is required.

Connecting external audio sources

The CUBE speaker has both a digital and an analog connection to play audio signals.

Digital input with PROLOG

For maximum performance and lossless digital signal transmission, it is recommended to use a PROLOG Control Unit (PROLOG 2, PROLOG 8) as source. To do so, connect your CUBE speaker to your PROLOG with an XLR audio cable. The PROLOG 2 offers streaming (Bluetooth, AirPlay® and DLNA), an optical digital input (TOSLINK) as well as analog inputs (RCA) with a high-quality analog-to-digital converter.

Analog input

External, analog devices can be connected to the analog XLR input of the device.

Switching the inputs

Switching the inputs is not necessary with the CUBE. Both input signals (analog and digital) are played automatically. Be careful not to accidentally play multiple sources at the same time.

Integrate PROLOG into your home network

The easiest way to integrate the PROLOG into your home network is to use a Ethernet connection with your network. Use the Ethernet connection on the back of the device. Your PROLOG will appear as a DLNA and AirPlay® speaker in your network after a few seconds.



If you want to connect the PROLOG wirelessly to your own network, you can do this with the “AirLino®“-App:

1. Install the *AirLino®*-App which can be downloaded on the Apple App Store or Google Play Store
2. Activate WiFi on your device
3. Search for the WiFi-network “*PROLOG*” and connect to it
Note: If your PROLOG is already integrated in your home network, you must connect to your home network.
4. Open the *AirLino®*-App. The setup wizard will start automatically
5. You can choose a custom name for your PROLOG to recognize the device easier in the future
6. Choose your home network name and enter the correct password of the network
7. The *AirLino®*-App will now try to connect your PROLOG to the home network
Note: If the device is not ready after 60 seconds there might occurred an error. Please check if you entered the correct network password and try the setup again. In some cases it is useful to unplug your PROLOG and try all steps again after at least 10 seconds.
8. If the setup was successfully, your PROLOG is visible in the network. You can now see your PROLOG in your audio streaming device.
9. Enjoy the music through your CUBE

Note: Please make sure that the WiFi connection and the signal are stable and strong enough to manage high quality audio signals in your home network. Low quality WiFi routers might cause problems. Please contact a wireless network specialist if problems occur.

Streaming - wireless music playback with PROLOG 2

In combination with the PROLOG 2 you can stream music from a variety of sources wirelessly. For this you need a wireless connection from your audio source (smartphone, tablet, etc.) to the PROLOG 2. The built-in Bluetooth, AirPlay® and DLNA audio-receiving components start automatically and are ready after a short while. Then connect to your smartphone, laptop, iPod touch, or similar device as follows:

Establish Bluetooth connection

10. Activate Bluetooth in the settings of your audio source (e.g. smartphone, tablet)
11. Search for “*PROLOG*”
12. Connect with “*PROLOG*” like any other Bluetooth device
13. Make sure (in the settings of your audio source) that the audio signal is played via your Bluetooth connection
14. Enjoy the music through your CUBE speakers



Note: When Bluetooth is activated once again, the device will automatically connect to the PROLOG 2 as soon as the PROLOG 2 is within range.

Note: Not every device supports Bluetooth apt-X. Therefore, the sound quality might differ.

Establish Apple AirPlay® connection

If your audio source supports Apple AirPlay® (for example, iPhone, iPad, iPod), you can stream your music to PROLOG via AirPlay®.



1. Activate WiFi on your audio source
2. Search for the WiFi-network "**PROLOG**" and connect to it. The default password for the initial connection is "**logaudio**".
Note: If your PROLOG 2 is already integrated in your home network (see "Integrate PROLOG 2 into your home network"), you must connect to your home network.
3. Now select "**PROLOG**" on the list of all available AirPlay® devices on your audio source
Note: Make sure that the audio signal is played from your AirPlay® "PROLOG" device.
4. Enjoy the music through your CUBE speakers

Establish DLNA connection

If your audio source supports DLNA, you can stream your music to your PROLOG via DLNA like to every other DLNA speaker.

1. Activate WiFi on your audio source
2. Search for the WiFi-network "**PROLOG**" and connect to it.
Note: If your PROLOG is already integrated in your home network (see "Integrate PROLOG into your home network"), you must connect to your home network.
3. Please select on your audio source "**PROLOG**" as target device in your streaming application.
Note: You can use e.g. *BubbleUPnP*®-App which can be downloaded on the Apple App Store or Google Play Store for smartphone or tablets.
4. Enjoy the music through your CUBE speakers

PROLOG - Volume adjustment with remote control

The volume of the signal can be adjusted with the supplied infrared remote control.

Adjust the volume

If you want to change the volume, press the "**Vol. up +**" or "**Vol. down -**" key. If you hold down one of these buttons, the volume changes continuously.

Note: Be sure to point the remote at the PROLOG 2 as soon as you press a key.

Mute

If you press the "**Mute**" button you can mute the PROLOG 2 or deactivate the mute function.

Note: Be sure to point the remote at the PROLOG 2 as soon as you press a key.



Pairing the remote control

At factory settings, the remote control is not paired with the PROLOG 2. If you have several remote controls of the same type, pairing is useful to avoid conflicts.

1. Use a pen or a straightened paper clip to press the pairing button on the back of the PROLOG
2. The device is now in pairing mode for *30 seconds*
3. Now press any key on the desired remote control (e.g. the "Mute"-key)
4. The device is now paired with this remote control and accepts only commands from this remote control

Note: If the PROLOG 2 does not receive any command from a remote control during the 30 seconds it is in pairing mode, the pairing is canceled and the PROLOG 2 accepts commands from any remote control of the same type.

Wake-up function

In case of inactivity, the CUBE automatically activates the standby mode after a while to avoid unnecessary power consumption. The automatic wake-up functionality automatically reactivates the CUBE when there is an incoming audio signal. Accordingly, the loudspeakers can remain permanently connected to the power connection without affecting the energy consumption or the lifetime of the product.

Sound optimization

In order to achieve an optimal sound experience, it is advisable to observe the following points:

- Place your CUBE speakers near a wall. At least 15 cm distance to the wall is necessary to guarantee optimal sound development for the rear subwoofer. Avoid placing the CUBE speakers in the middle of the room, as certain frequencies are not sufficiently reproduced by the missing wall surface.
- Your CUBE speakers offer a unique, lossless music reproduction – especially in combination with a PROLOG. It is therefore advisable to play high-resolution music files or uncompressed formats (such as WAV or Apple Lossless).
- Make sure your room has adequate acoustic damping. Too much reverb negatively affects the music signal. Curtains, upholstered furniture or carpets can support good room acoustics and contribute to a pleasant damping.
- For the best possible sound quality, the entire signal routing should be digital. Use the digital audio input of your PROLOG to connect players and connect the CUBE and PROLOG via the digital XLR connectors. This ensures lossless signal transmission.

Note: There are no rules that apply to all environments. Nevertheless, it is advisable to consider the above points.

Safety instructions

Please observe the safety instructions when using the CUBE, otherwise warranty claims may expire.



- Do not expose to rain or moisture. There is a risk of fire and the risk of damage.
- Do not use near liquids (bathtub, etc.).
- Do not place burning objects (candles, etc.) next to or on the speaker.
- Do not place near heat sources.
- Use only with original manufacturer accessories.
- Do not connect the speaker during thunderstorms.

Hearing damage

The CUBE can reach a sound pressure level higher than 90dB (SPL), which could cause hearing loss. To avoid hearing damage, you should therefore only use the CUBE speakers for a short time at high volume. As a precaution, set an appropriate volume. The higher the volume, the faster it can cause hearing damage.

Repair

The CUBE must not be unscrewed or disassembled. Unauthorized opening of the housing is a risk of electrical shock. All necessary repairs are to be carried out exclusively by a service partner or manufacturer, otherwise the guarantee and warranty claim expires.



Maintenance

The CUBE is maintenance-free. Clean the surface only with a soft dry to slightly moist cloth or a feather duster. Do not use scouring powder, alcohol, gasoline, polish, wax or other similar liquids. Do not set up the CUBE in a humid environment. Frequent temperature changes, humidity and excessive sunlight will damage the speaker and may alter its appearance. If the speaker is destroyed by improper use, contact the manufacturer and find out about repair options. The speaker membrane should not be touched.

Warranty

The warranty for this product complies with the legal requirements at the time of purchase. In addition, LOG Audio offers a warranty of 3 years from the date of purchase. Changes to the device will void the warranty and the manufacturer's warranty.

Disposal

Never dispose of the CUBE with normal household waste. It is strongly recommended to take the product to an official waste collection point. Be aware of local regulations for separate collection of electrical and electronic equipment and follow it diligently. Proper disposal of old products helps to prevent negative environmental and health effects.



Troubleshooting (PROLOG 2)

Problem	Possible cause	Solution
No sound	Mute-mode is active	Press the "Mute" or "Volume up +" button on the included remote control to deactivate the mute mode.
	No connection	There may be no connection via Bluetooth or WiFi. Check if the audio source is near the audio system. If necessary, reduce the distance between the audio source and the audio system.
	No input signal	Check that you are actually connected to "PROLOG" via Bluetooth, AirPlay® or DLNA. If necessary, disconnect and reconnect.
	No power supply	Make sure the power plug of the CUBE and the PROLOG is well connected in the power outlet.
	Audiosource is on mute	Make sure that you have not turned down the volume at the audio source. Slowly increase the volume.
Signal too quiet	Input signal is too quiet	Increase the volume at the audio source.
	Volume has been set too low with remote control	Increase the volume by pressing the "Volume up +" button on your remote control.
Signal too loud	Input signal is too loud	Decrease the volume at the audio source.
	Volume has been set too high with remote control	Decrease the volume by pressing the "Volume down -" button on your remote control.
Simultaneous playback of multiple audio signals	Unintentional playback of multiple signals	Stop playing one or more unwanted sources (analog input, digital input, Bluetooth, AirPlay® or DLNA) to your PROLOG.
Recurring short failures of audio playback	Bad connection to audio source via Bluetooth	Make sure that the audio source is close to the PROLOG and that there are no other interfering signals. Otherwise, reduce the distance between the audio source and the speaker, or restart your PROLOG and your Bluetooth source.
	Bad WiFi connection between audio source and PROLOG 2	Reduce the distance from your audio source to your PROLOG. Make sure that there are no other interference signals. Otherwise restart your PROLOG and your AirPlay® or DLNA source. Contact a wireless network specialist if the problem persists.
	Bad WiFi connection between PROLOG 2 and home network	In many cases, the home network is not strong enough to incorporate audio devices (like the PROLOG in this case). Reduce the distance between PROLOG and your wireless router. If possible, connect the PROLOG and the router via LAN cable. Also a restart of the devices can solve the problem. Contact a wireless network specialist if the problem persists.
	Bad WiFi connection between audio source and home network	Reduce the distance between the audio source and your wireless router.

Note:

Wireless connections - whether Bluetooth or WiFi - are inherently more susceptible to interference than cable connections. It is therefore possible that disruptive factors (other WiFi networks, structural shielding, concrete walls, etc.) in your environment have a negative effect on the connection quality and lead to failures in the music playback - regardless of your PROLOG. In such a case, please contact a WiFi or network specialist.