



LD MAUI[®] 44 G3 MIX

CARDIOID COLUMN PA SYSTEM WITH DIGITAL MIXER

LDMAUI44G3MIXW; LDMAUI44G3MIX

1 INTRODUCTION

1.1 YOU MADE THE RIGHT CHOICE!

This product has been developed and manufactured to the highest quality standards to ensure many years of problem-free operation. Find further information about LD Systems on our website:
<https://www.ld-systems.com/>

1.2 READ THE COMPLETE DOCUMENTATION



This document is an abridged version of the documentation. Follow the QR code to the complete user manual.

1.3 SCOPE OF DELIVERY

Item Description	Quantity
Device	1
Mains power cable	1
Safety Compliance Information	1
Quick Start Guide	1

1.4 EASY MODE AND EXPERT MODE

The MAUI[®] MIX System features an **Easy Mode** with a reduced user interface for beginner users. If you like to access the system's full functionality, activate the **Expert Mode**. The layout of some of the pages of the user interface differs from Easy Mode to Expert Mode. For an overview of the user interface layouts, refer to the overview sections in the user manual. In Expert Mode and Easy Mode, volume levels are scaled differently. In Easy Mode, the decibel unit is not indicated.

EXAMPLE:

Expert Mode	-inf dB...+10.0 dB
Easy Mode	0...100

1.5 DOWNLOADING THE MOBILE APP



Please update via app for full functionality!

Visit the Apple App Store or the Google Play Store to download the device app for advanced functionality and features. The app manual is also available directly within the MAUI app.

1.6 UPDATING THE FIRMWARE

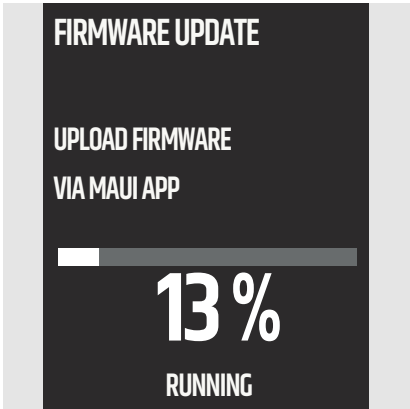
For full functionality of the device, update the firmware before commissioning. For instructions on updating the firmware, follow the QR code link to access the **MAUI® MIX** app user manual. Whenever a new firmware update is available, the **MAUI® MIX** app shows an indicator in the **SETTINGS** menu.



NOTICE

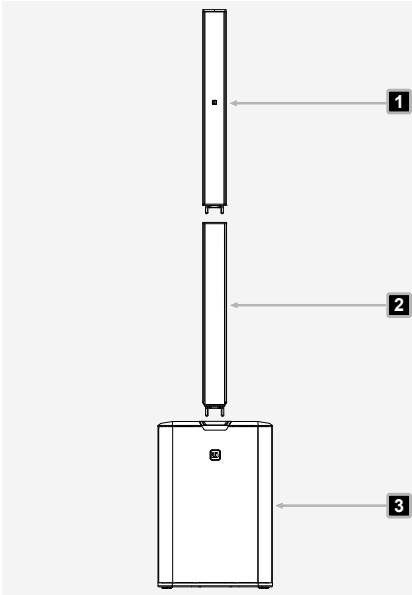
Do not switch off the device during the firmware update.

After the firmware update started, the **MAUI® MIX** shows the **FIRMWARE UPDATE** screen. When the firmware update is complete, the **MAUI® MIX** reboots.



2 ASSEMBLY

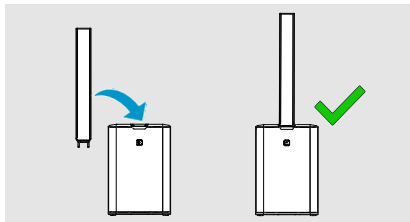
2.1 COMPONENT OVERVIEW



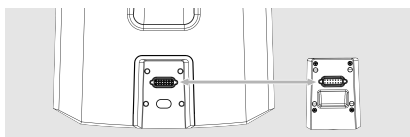
- 1** Upper array column with 6 × 3.5" speakers, tweeter, and multipin connector on the bottom
- 2** Lower array column with 6 × 3.5" speakers, top and bottom 14-pin connectors.
- 3** Subwoofer with integrated electronics

2.2 ASSEMBLING THE DEVICE

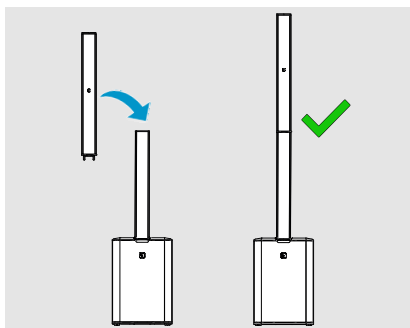
- 1 Connect the lower array column to the subwoofer by inserting the steel pins of the lower array column into the corresponding steel pin holes on the subwoofer.
- 2 Make sure both components connect properly.



⇒ The 14-pin connectors of the lower array column and the subwoofer are electrically connected.



- 3 Connect the upper array column to the lower array column by inserting the steel pins of the upper array column into the corresponding steel pin holes on the lower array column.

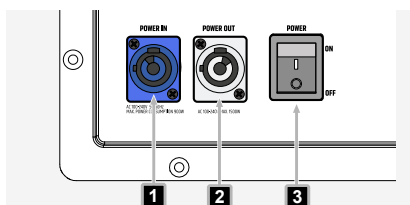


⇒ The 14-pin connectors of the upper and lower array column are electrically connected.



3 POWER SUPPLY

3.1 POWER CONNECTIONS



- 1 **POWER IN** - DC power input and device supply
- 2 **POWER OUT** - DC pass-through output
- 3 **POWER** - On/off switch

3.2 CONNECTING A MAINS POWER CABLE



WARNING

Mains voltage

Risk of electric shock

- a. Do not use kinked or damaged mains power cables.



NOTICE

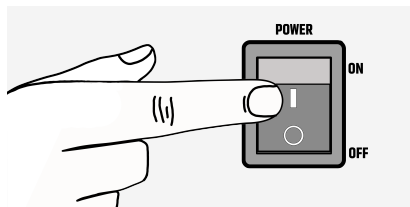
Damage to the device

- a. Make sure that the voltage of the mains power socket matches the device operating voltage.
- b. Do not plug the device under load.

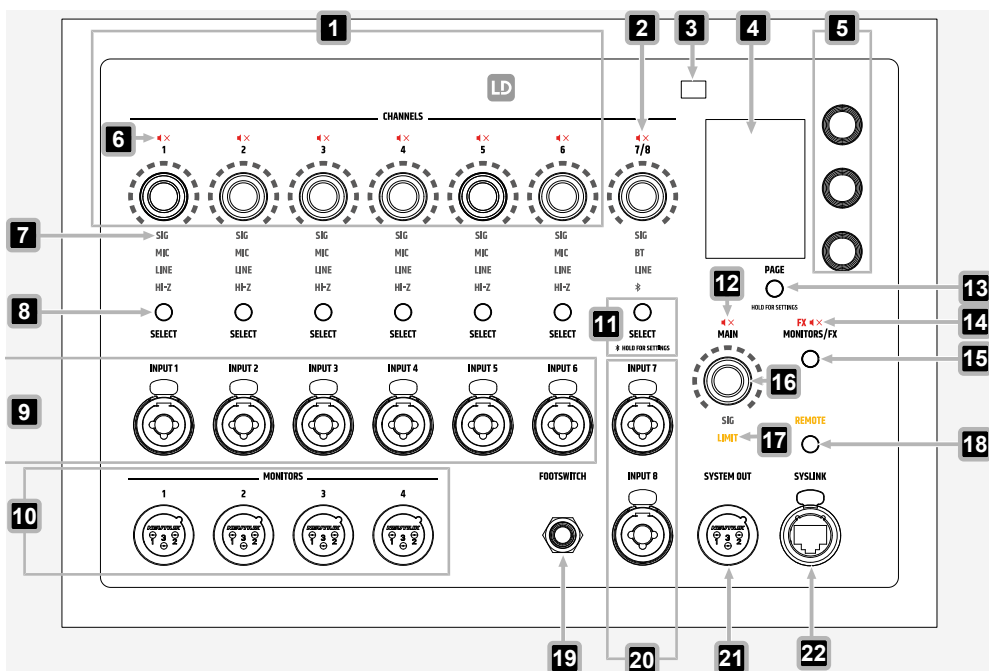
- 1 Plug the device power connector into the device. Make sure the bayonet connector is positioned correctly.
- 2 Turn the bayonet connector clockwise to lock it.
- 3 Plug the mains power connector into the mains power socket.

3.3 TURNING THE DEVICE ON OR OFF

- 1 Flip the switch from the  to the  position.
⇒ The display turns on and the device boots.
⇒ After a few seconds, the device is operational.
- 2 Flip the switch from the  to the  position.
⇒ The device turns off.



4 | THE USER INTERFACE



- 1 Channel Rotary-Push Encoders (RPEs)** - Control the volumes and mute the channels. Hold to mute or unmute. The RPE LED rings light up orange to indicate active remote control.
- 2 Channel BT Rotary-Push Encoder (RPE)** - Controls the volume of the Bluetooth[®] channel. Hold to mute or unmute. The RPE LED rings light up orange to indicate active remote control.
- 3 Brightness sensor** - Automatically adjusts the display brightness. Turn on or off in the display settings.
- 4 LC Display** - Main graphic colour display. Display edges turn orange in SysLink[®] remote mode. For screensaver options, see the display settings.
- 5 Display Rotary-Push Encoders (RPE)** - Control the display menu items (Upper RPE, Mid RPE, Lower RPE)

- 6 CHANNELS**  - Indicates that the channel is muted
- 7 SIG** - Indicates that an audio signal is present at the corresponding channel (white LED). If the signal is clipping the LED turns red.
- 8 SELECT Buttons** - Toggle between **MIC**, **LINE** and **HI-Z**.
- 9 INPUT 1... 6** - Balanced XLR / jack combo sockets (3-pin XLR / 6.35 mm jack / 48V phantom power supported)
- 10 MONITOR 1... 4** - Audio output sockets (balanced 3-pin XLR) for external monitors
- 11 SELECT**  **HOLD FOR SETTINGS Button**
 - **Press:** Toggles between **BT** and **LINE**.
 - **Press and hold for 1 second:** Opens the Bluetooth® settings menu on the device.
- 12 MAIN**  - Indicates that the main channel is muted
- 13 PAGE Button** - Browses through the menu pages. Hold for 1 second to access the settings.
- 14 FX**  - Indicates that the effects are muted.
- 15 MONITORS/FX Shortcut Button** - Provides direct access to the **Monitor FX** page for adjusting monitor effects.
- 16 MAIN Rotary-Push Encoder (RPE)** - Controls the main volume and mute for the main channel. Hold to mute or unmute. The RPE LED rings light up orange to indicate active remote control.
- 17 LIMIT** - Indicates that the main limiter is active
- 18 REMOTE Button** - Press to access the remote unit connected via SysLink®. All Channel RPE LED rings, the Main RPE LED ring, and **REMOTE** illuminate orange to indicate active remote control.
- 19 FOOTSWITCH** - Mutes and unmutes the internal effect module or the MAIN channel (6.3 mm TRS jack)
- 20 INPUT 3/4** - Balanced XLR/jack combo sockets (3-pin XLR / 6.35 mm jack / 48 V phantom power not supported).
- 21 SYSTEM OUT** - Audio output socket (balanced 3-pin XLR)
- 22 SYSLINK Socket** - RJ45 SysLink® socket

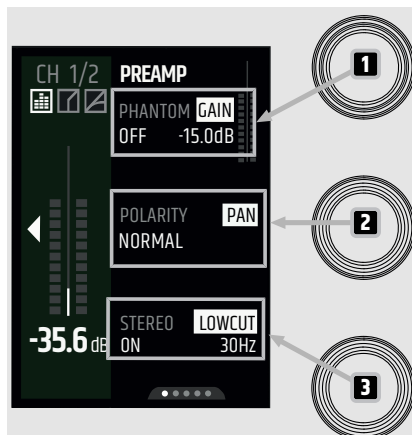
5 GETTING STARTED

5.1 DEVICE NAVIGATION

5.1.1 NAVIGATING THE DISPLAY

If you're not using the **MAUI® MIX** app, use the display **rotary-push encoders (RPE)** to access the menu items. Find the procedure to adjust the **PREAMP** gain and to set the **LOWCUT** to **100Hz** below as an example. The following applies to all settings:

- The menu follows a three-section structure. Each display **RPE** controls one of these sections. All other display pages follow the same structure.
- Push the **RPE** to switch back and forth between the menu items.
- Turn the **RPE** to adjust the values of the high-lighted menu items.



- 1** Push the channel **RPE** of channel 1.
⇒ The display shows the channel strip of channel 1.
- 2** Push the **PAGE** button until the **PREAMP** page shows up.
- 3** Adjust the **PREAMP** gain:
 - a)** Push the upper display **RPE** **1** to select **GAIN**.
 - b)** Turn the upper display **RPE** clockwise to increase the gain and anticlockwise to decrease it.

⇒ You adjusted the **PREAMP** gain.

4 Set the **LOWCUT** to 100Hz:

- Push the lower display **RPE** **3** to select **LOWCUT**.
- Turn the lower display **RPE** to 100Hz.

⇒ You set the **LOWCUT** to 100Hz.

5.1.2 USING THE PAGE BUTTON

- Push the channel **rotary-push encoder (RPE)** of any channel.
⇒ The display shows the corresponding channel strip.
- Push the **PAGE** button **1** to navigate to the next page on the right.

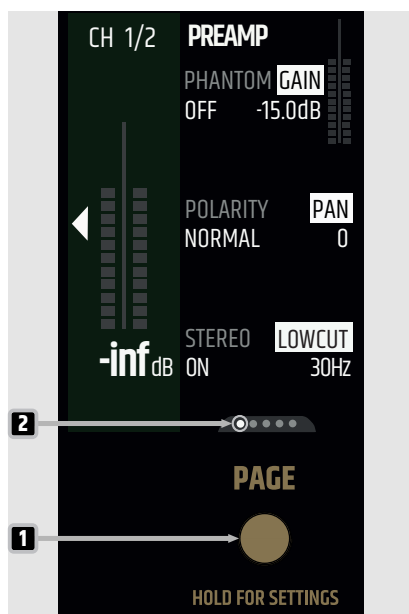


The highlighted dot indicates the current page.

2



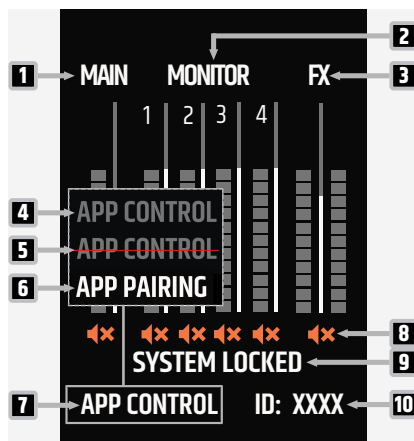
The **PAGE** button navigates to the right. When you reach the far right, pressing the **PAGE** button takes you back to the first page.



5.1.3

IDLE SCREEN OVERVIEW

After approximately 30 seconds of inactivity, the idle screen appears. You can replace the idle screen with a black screen saver in the display settings.



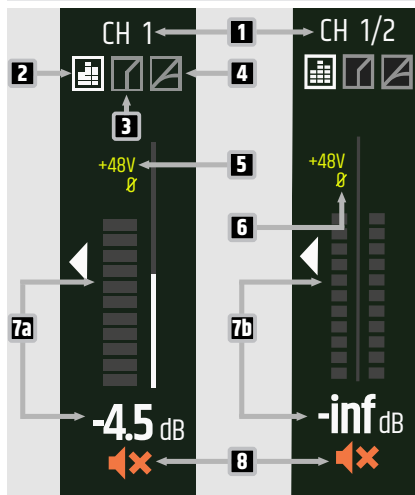
- MAIN metering** - Indicates the MONO or STEREO setting of the MAIN channel, the set level, and the signal.
- MONITOR metering** - Indicates the MONO or STEREO setting of the MONITOR OUT, the set level, and the signal.
- FX** - Indicates the set level of the effects and the FX return signal.
- APP CONTROL (BLE) not connected** - APP CONTROL is switched on in the settings and mobile device is not connected.
- APP CONTROL (BLE) not connected** - APP CONTROL is switched off in the settings.
- APP PAIRING (BLE) not connected** - APP PAIRING in progress. Select your MAUI® G3 MIX in the MAUI® MIX app.
- APP CONTROL (BLE) connected** - APP CONTROL is switched on in the settings and mobile device is connected.
- Mute Icons** - Indicates whether the corresponding channel is muted.

- 9** **SYSTEM LOCKED** - Indicates that a PIN lock is active and a PIN must be entered to operate the device.
- 10** **ID number** - Indicates the ID of your MAUI® G3 MIX.

- 8**  - Indicates whether the channel is muted. Push and hold the channel rotary-push encoder (RPE) to mute or unmute.

5.1.4

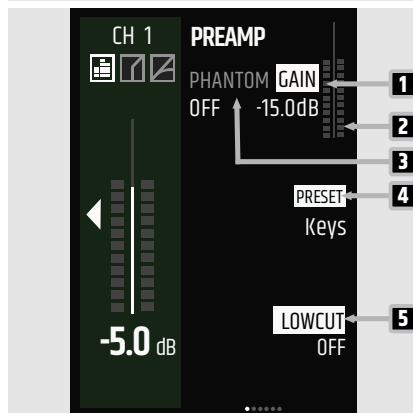
INPUT METERING SECTION OVERVIEW EXPERT MODE



- 1** **Channel Name** - Indicates the channel name in mono and stereo
- 2** **Equaliser (EQ)** - When the icon is highlighted white, the EQ is active
- 3** **Gate** - When the icon is highlighted white, the gate is active
- 4** **Compressor** - When the icon is highlighted white, the compressor is active
- 5** **+48V** - Indicates whether the phantom power is on
- 6** **Ø** - Indicates whether the polarity is inverted
- 7a** **Metering Mono** - 11-segment metering and decibel value (-inf dB...+10 dB)
- 7b** **Metering Stereo** - 2x11-segment stereo metering and decibel value (-inf dB...+10 dB)

5.1.5

PREAMP SECTION OVERVIEW



- 1** **GAIN** - Adjusts the preamp gain
 - CH 1, 2: -6 dB...+50 dB
 - CH 3/4: -6 dB...+36 dB
 - BT: -6 dB...+36 dB
- 2** **Gain Metering** - Indicates the gain level of the preamp
- 3** **PHANTOM** - Toggles 48V phantom power on or off
- 4** **PRESET** - Sets the preset for EQ and COMPRESSOR (Default, E-Bass, Vocal-Male, Vocal-Female, Kick-Drums, Snare, Acoustic-Guitar, E-Guitar, Keys)
- 5** **LOWCUT** - Adjusts the lowcut (OFF, 20Hz...200Hz)

6 AUDIO PLAYBACK

6.1 CONNECTING AN INPUT SOURCE TO THE MIC / LINE / HI-Z INPUT



CAUTION

High Sound Pressure Level

Risk of hearing damage

- a. Make sure that the input channel is muted before connecting an input source.
- b. Make sure that the input source volume is turned all the way down before connecting it.



NOTICE

High Sound Pressure Level

Damage to the loudspeaker

- a. Connect line level devices, such as mixing consoles, to the line input only.

- 1 Set the input to **MIC**, **LINE**, or **HI-Z**.
 - a) Push the **SELECT** button until the corresponding input type lights up.
- 2 Connect a **MIC**, **LINE**, or **HI-Z** input source to **INPUT 1 ... INPUT 6**.

6.2 ADJUSTING THE CHANNEL VOLUME

- 1 Turn the channel **rotary-push encoder (RPE)** clockwise to increase the channel volume.
- 2 Turn the channel **RPE** anticlockwise to decrease it.



The channel **RPE** LED ring displays the current volume level. See the exact decibel value on the display. Push the channel **RPE** to show the selected channel in the display.

6.3 ADJUSTING THE MAIN VOLUME

- 1 Turn the **MAIN rotary-push encoder (RPE)** clockwise to increase the main volume.
- 2 Turn the **MAIN RPE** anticlockwise to decrease it.



The **MAIN RPE** LED ring displays the current volume level. See the exact decibel value on the display. Push the **MAIN RPE** to show the main channel in the display.

7 WIRELESS CONNECTIONS

7.1 PAIRING A DEVICE VIA BLUETOOTH[®] FOR AUDIO PLAYBACK

- ✓ You have a Bluetooth[®]-ready mobile device, such as a smartphone or tablet.

- 1 Turn on Bluetooth[®] on your mobile device.
- 2 On the **MAUI[®] MIX**, push and hold the **HOLD FOR SETTINGS** button for 3 seconds to access the settings menu.
- 3 Use the menu navigation to select and start the Bluetooth[®] pairing process.
- 4 Follow the Bluetooth[®] pairing procedure on your mobile device.

⇒ Once pairing is complete, the **HOLD FOR SETTINGS** LED above the **SELECT** button lights up permanently.

⇒ Your mobile device is paired and ready for audio playback.



When you use the **MAUI[®] MIX** in SysLink[®] mode, you can pair two Bluetooth[®]-ready devices, one to each **MAUI[®] MIX**. As a result, both Bluetooth[®]-ready devices can play back audio simultaneously.



If your **MAUI[®] MIX** is already paired via Bluetooth[®], it will not appear in the Bluetooth[®] menu of other mobile devices. Unpair the currently paired mobile device to make the **MAUI[®] MIX** available for other devices.

7.2 UNPAIRING A BLUETOOTH[®] AUDIO PLAYBACK DEVICE

- ✓ You have a Bluetooth[®] device paired to your **MAUI[®] MIX**.

- 1 Push and hold the **HOLD FOR SETTINGS** button for 3 seconds to access the Bluetooth[®] menu on the **MAUI[®] MIX**.

- 2 Use the menu navigation to deactivate the Bluetooth® connection.

⇒ Your mobile device is unpaired from the **MAUI® MIX**.

8 EXTERNAL CONNECTIONS

8.1 CONNECTING A MAUI® SYSTEM VIA SYSLINK®



For **SysLink®** connections use only RJ45 cables with a maximum length of 30 metres. We recommend using the **Adam Hall Cables 4 STAR ECON CAT6A 10m**. You find this cable under the article number **K4CAT61000** in our webshop at <https://www.adamhall.com/shop>

✓ You need a second **MAUI® MIX** system.

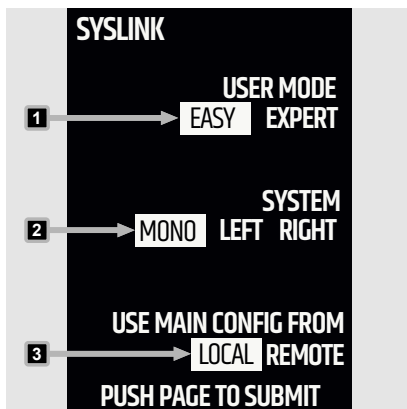
- 1 Turn on both **MAUI® MIX** systems.
- 2 Connect the **SysLink®** port of both devices using a CAT cable.

⇒ The **REMOTE** LED of both devices starts flashing orange.

⇒ The **SYSLINK** screen appears on both devices.

If the **USER MODE** of the devices are configured differently, the **USER MODE** setting option appears.

- 3 Turn the upper display **rotary-push encoder (RPE)** to choose **EASY** mode or **EXPERT** mode. **1**



If the **SYSTEM** setting option of the devices are configured differently, the **SYSTEM** setting option appears.

- 4 Turn the middle display **RPE** to choose **MONO**, **LEFT** or **RIGHT**. **2**

Use the main config from the **LOCAL** or the **REMOTE** device. The device on which you make the selection, is the **LOCAL** device. **3**

- 5 Turn the lower display **RPE** to choose **LOCAL** or **REMOTE**.



The **MAIN CONFIG** contains all settings, such as volume levels or EQ settings. Using the **MAIN CONFIG** of one device overwrites the settings of the other.

- 6 Push the **PAGE** button to submit.

⇒ The **REMOTE** LED of both devices lights up.

⇒ The **SysLink®** connection is active.

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