Electro-Voice

EVOLVE G2 | EVOLVE M G2 Portable Column Loudspeaker

EVOLVE30M-G2, EVOLVE50M-G2, EVOLVE50-G2

PRELIMINARY

en User manual

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1 Safety

1.1 Important safety instructions

1. Read and keep these safety instructions. Follow all instructions and heed all warnings.
2. Download the latest version of the applicable installation manual from www.electrovoice.com for installation instructions.

Information
Refer to the Installation Manual for instructions.

3. Follow all installation instructions and observe the following alert signs:

Notice!
Containing additional information. Usually, not observing a notice does not result in damage to the equipment or personal injuries.

Caution!
The equipment or the property can be damaged, or persons can be injured if the alert is not observed.

Danger!
Risk of electric shock.

4. **Clean only with dry cloth. -** Unplug the apparatus from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
5. **Condensation -** In order to avoid condensation; wait a few hours before turning on the equipment when it is transported from a cold to a warm space.
6. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Danger!
To reduce the risk of fire and electric shock, do not expose this apparatus to rain or moisture.

7. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. -** Openings in the enclosure, if any, are provided for ventilation and to ensure reliable operation of the apparatus and to protect it from overheating. These openings must not be blocked or covered. This apparatus should not be placed in a built-in installation unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat or in direct sunlight.
9. No naked flame sources, such as lighted candles, should be placed on the apparatus.
10. **Only use attachments/accessories specified by the manufacturer. -** Any mounting of the apparatus should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

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11. **Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus**. - When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
12. System installation and servicing by qualified personnel only, in accordance with applicable local codes. No user-serviceable parts inside.
13. Devices installed above 2 m height may cause injury when falling down. Preventive measures must be taken.
14. **Replacement parts -** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
15. **Safety check -** Upon completion of any service or repairs to this apparatus, ask the service technician to perform safety checks to determine that the apparatus is in proper operating condition.

Warning!
This product is designed ONLY to be suspended with authorized Electro-Voice mounting accessories. Do NOT use non-authorized brackets or methods to suspend the loudspeaker. Handles on Electro-Voice loudspeakers are intended to only be used for temporary transport by people or for use with Electro-Voice authorized mounting accessories ONLY. Items such as fiber rope, wire rope, cables, or other types of materials cannot be used to suspend the loudspeaker from the handles.

Warning!
Use of non-authorized accessories or attachments with this or any Electro-Voice product is at your own discretion. Use of non-authorized accessories or attachments can result in product malfunction, injury, or death.
The user assumes all liability and may result in the warranty being voided.

Caution!
Do not attempt to move this loudspeaker system when it is fully assembled.
You may damage the system or cause personal injury.

1.2 Precautions

- Do not use Electro-Voice loudspeakers in an environment where temperatures are below 0°C (32°F) or exceed +35°C (95°F).
- Electro-Voice loudspeakers are easily capable of generating sound pressure levels sufficient to cause permanent hearing damage to anyone within normal coverage distance. Caution should be taken to avoid prolonged exposure to sound pressure levels exceeding 90 dB. To prevent hearing damage do not listen at high volume levels for long periods.

1.3 Suspension

Warning!
Suspending any object is potentially dangerous and should only be attempted by individuals who have a thorough knowledge of the techniques and regulations of suspending objects overhead. Electro-Voice strongly recommends all loudspeakers be suspended taking into account all current national, federal, state, and local laws and regulations. It is the responsibility of the installer to ensure all loudspeakers are safely installed in accordance with all such requirements. When loudspeakers are suspended, Electro-Voice strongly recommends the system be inspected at least once per year or as laws and regulations require. If any sign of weakness or damage is detected, remedial action should be taken immediately. The user is responsible for making sure the wall, ceiling, or structure is capable of supporting all objects suspended overhead. Any hardware used to suspend a loudspeaker not associated with Electro-Voice is the responsibility of others.

Warning!
Do not suspend this product in any other manner than explicitly described in this manual, or Electro-Voice installation guides. Suspending any object (loudspeaker) is potentially dangerous and should only be done by individuals with thorough knowledge of techniques, materials, and regulations for suspending objects overhead. Electro-Voice loudspeakers can only be suspended using accessories and hardware described in Electro-Voice manuals and installation guides. **Do NOT use handles to suspend the loudspeaker. Handles on Electro-Voice loudspeakers are intended to only be used for temporary transport by people. Items, such as fiber rope, wire rope, cables, or other types of materials cannot be used to suspend loudspeaker from the handles.** Any hardware used to suspend a loudspeaker not associated with Electro-Voice is the responsibility of others.

Warning!
Use of non-authorized accessories or attachments with this or any Electro-Voice product is at your own discretion. Use of non-authorized accessories or attachments can result in product malfunction, injury, or death.
The user assumes all liability and may result in the warranty being voided.

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2 Product registration

Register your EVOLVE G2: electrovoice.com/register

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3 Short information

This document is applicable to these products:

CTN	Description
EVOLVE30M-G2-US	Portable column system black US 30M G2
EVOLVE30M-G2-EU	Portable column system black EU 30M G2
EVOLVE30M-G2-W	Portable column system white US&EU 30MG2
EVOLVE50-TB-G2	Column, pole black w/bag EVOLVE50-50M G2
EVOLVE50-TW-G2	Column, pole white w/bag EVOLVE50-50M G2
EVOLVE50-SB-G2-US	12" sub black US cord EVOLVE 50 G2
EVOLVE50-SB-G2-EU	12" sub black EU cord EVOLVE 50 G2
EVOLVE50-SW-G2	12" sub white US&EU cords EVOLVE 50 G2
EVOLVE50M-SB-G2-US	12" sub black US cord EVOLVE 50M G2
EVOLVE50M-SB-G2-EU	12" sub black EU cord EVOLVE 50M G2
EVOLVE50M-SW-G2	12" sub white US&EU cords EVOLVE 50M G2

3.1 Parts included

Make sure that all parts are included and not damaged. If the packaging or any parts are damaged, contact your shipper. If any parts are missing, contact your Sales or Customer Service Representative.

EVOLVE30M-G2-US, EVOLVE30M-G2-EU, EVOLVE30M-G2-W

Quantity	Component
1	Subwoofer
1[1,2]	Power cord
1	Column array
1	Sub pole
1	Carry bag
1	Quick user guide
2	Safety and security information

[1] EVOLVE30M-G2-W includes two power cords.
[2] US and EU power cords available in selected countries. Contact your nearest Electro-Voice dealer or Electro-Voice distributor for more information.

EVOLVE50-SB-G2-US, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-US, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2

Quantity	Component
1	Subwoofer
1[1,2]	Power cord

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Quantity	Component
1	Quick user guide
2	Safety and security information

[1] EVOLVE50-SW-G2 and EVOLVE50M-SW-G2 include two power cords.
[2] US and EU power cords available in selected countries. Contact your nearest Electro-Voice dealer or Electro-Voice distributor for more information.

EVOLVE50-TB-G2, EVOLVE50-TW-G2

Quantity	Component
1	Column array
1	Sub pole
1	Carry bag

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4 Description

Thank you for choosing an Electro-Voice portable column system. Please take time to consult the manual to understand all the features built into your EV system and fully utilize its performance capabilities.
Available in black or white finishes.

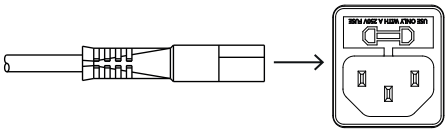
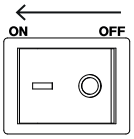
Accessories
The EVOLVE G2 family includes a select complement of accessories.
All accessories are sold separately.

CTN	Description
EVOLVE30M-SUBCVR	Soft cover for EVOLVE 30M sub
EVOLVE50-SUBCVR	Subwoofer cover
EVOLVE30M-CASE	Carrying case for EVOLVE 30M
EVOLVE50-CASE	Column speaker carrying case, wheels
EVOLVE50-PL-SB	Column speaker pole, short, black
EVOLVE50-PL-SW	Column speaker pole, short, white

– **Padded slip cover** - slip over cover for the subwoofer, with hook and loop flap for top handle.
– **Carrying case** - rolling case for subwoofer in high-quality poly material. Includes a telescoping handle and buckles for attaching the column array carrying bag.
– **Short distance pole** - to be used when the EVOLVE G2 system is placed in an elevated surface such as a stage. The short distance pole reduces the system height by 445 mm (17.5 in).

4.1 Quick setup

To set up the loudspeaker:

Step	Illustration
1. Connect the AC power cord from a grounded receptacle to the **MAINS IN**.	
2. Switch power to **ON**.	
3. Adjust the volume (**VOL**) to 0 dB using the **MASTER VOLUME** knob.	

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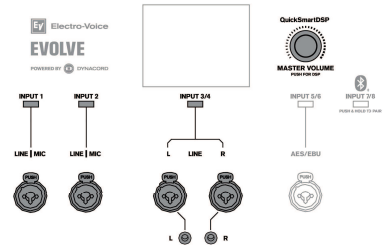
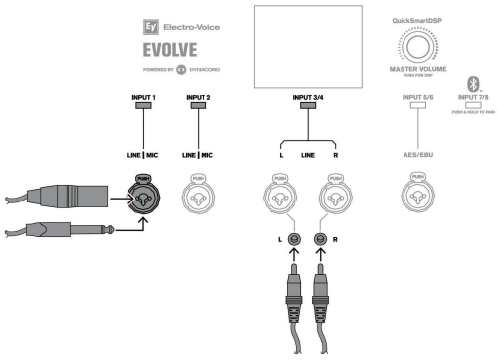
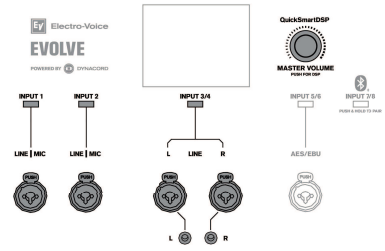
4. Press the input selection soft key to select the input channel. The soft key will illuminate once selected. 5. Use the **MASTER VOLUME** knob to adjust **INPUT LEVEL** to **MUTE**.	
6. Connect an audio source using appropriate XLR, TRS, or RCA (cinch) cables. Ensure audio source is **MUTE** or at a low level before making connection. After connection is made, increase the source's output to a reasonable level.	
7. Adjust the **INPUT LEVEL** until the signal peaks are just below maximum level or the required output is achieved. If **PK** is indicated, turn the level down until the **PK** indication disappears. 8. Press the input selection soft key again to exit the channel menu.	
9. Using the **MASTER VOLUME** knob, adjust the volume (**VOL**) until you get the required output from the loudspeaker.	

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5 Installation

Caution!
Do not attempt to move this loudspeaker system when it is fully assembled.
You may damage the system or cause personal injury.

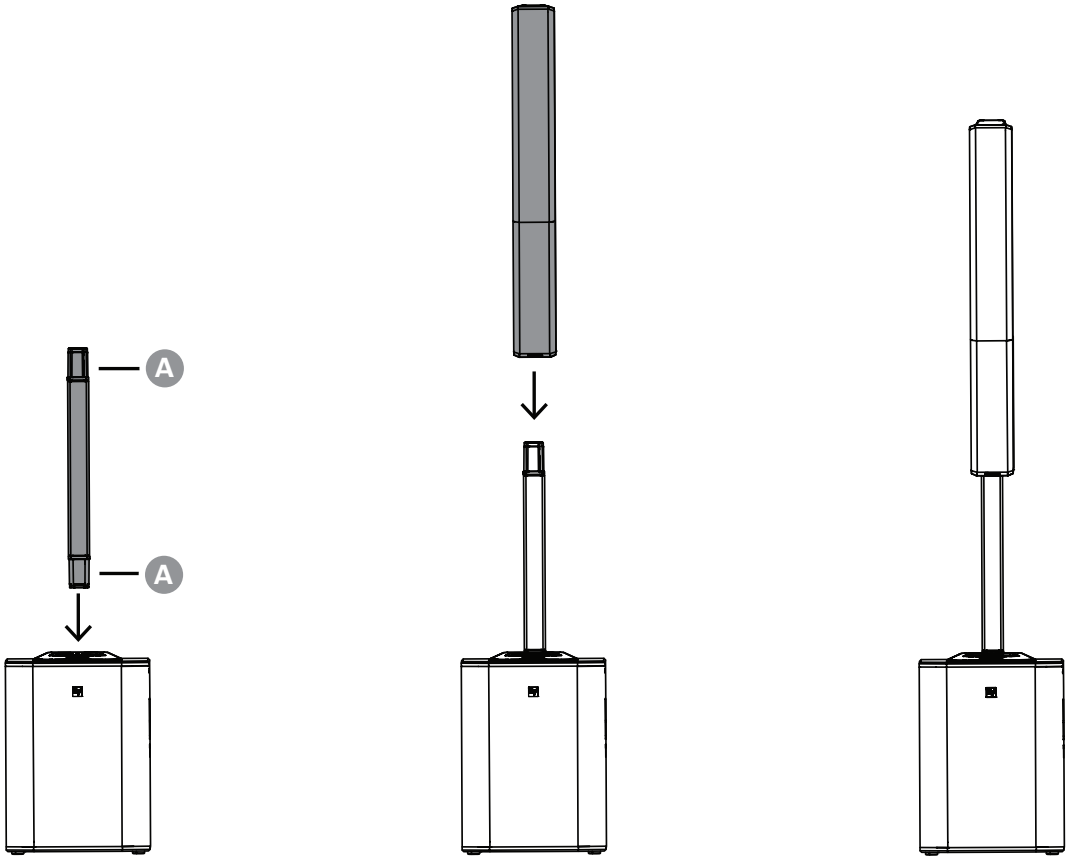
Assembling the loudspeaker system

To **assemble the loudspeaker system**, do the following:

1. Place the **subwoofer** on a level and stable surface.
2. Proceed according to the portable column loudspeaker.
   The pole has magnets (A) at each end.

Portable column loudspeaker	Step 2
EVOLVE30M-G2	Assemble the **pole** by connecting the two sections together and inserting them into the subwoofer base.
EVOLVE50M-G2 and EVOLVE50-G2	Insert the **pole** into the subwoofer base.

3. Place the **column array loudspeaker system** on top of the subwoofer pole.
4. The **column array loudspeaker system** set up is complete.



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6 Pairing the QuickSmart Mobile application

The EV QuickSmart Mobile app for tablets and smartphones is available for download from the Apple App Store and the Google Play Store.
Download and check the app for the latest firmware updates to enjoy optimal audio performance and maximize your control of the system.

Notice!
The EV QuickSmart Mobile app is designed to only find loudspeakers from Electro-Voice featuring Bluetooth® control functionality.
The EV QuickSmart Mobile app will not display other types of Bluetooth® devices, e.g. phones, laptops, tablets, or headsets.

Prior to pairing the EV QuickSmart Mobile app with Electro-Voice loudspeakers:

1. Ensure that Bluetooth® is enabled on the smartphone or tablet.
2. Ensure that pairing mode is enabled on the loudspeaker.

To place the loudspeaker in pairing mode for both control and streaming:

Notice!
For control and streaming separately, enable Pairing mode through the LCD menu.

1. Press and hold the dedicated input selection soft key until **Pairing Mode On** and the 4-digit ID is shown on the LCD.

Portable column loudspeaker	Input selection soft key
EVOLVE30M-G2 and EVOLVE50M-G2	INPUT 7/8
EVOLVE50-G2	INPUT 5/6

Table 6.1: Input selection soft keys to enable pairing mode

Notice!
The loudspeaker remains in control pairing mode for about 2 minutes. If control pairing fails, repeat step 1.

2. Navigate to your mobile device's Bluetooth® settings menu, find the EVOLVE G2 loudspeaker with the matching 4-digit ID and ensure you are paired to the loudspeaker.
   This will pair the mobile device to the EVOLVE G2 loudspeaker for audio streaming.
3. Continue to the next step to pair for control.

Notice!
For Android devices running Android version 11 or older, ensure location services are allowed.
Electro-Voice does not collect, store, or track user location data or personal information.

First time pairing

1. Open the EV QuickSmart Mobile app.

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2. **Select your Speakers** is displayed on the screen.
   The EV QuickSmart Mobile app is looking for available Bluetooth® enabled Electro-Voice loudspeakers.
   The available loudspeakers are displayed on the screen.
3. Tap the loudspeaker you want to pair with the app.
   The selected loudspeaker will have a line under it acknowledging it is selected.
4. Repeat the previous step until all of the required loudspeakers are selected.
5. Tap the **CONNECT** button.
6. The app connects with the selected loudspeaker.
   You will get a message from iOS/iPadOS/Android about pairing for each device which has to be accepted.

Notice!
If the message "Bluetooth Connection failed" appears, ensure that control pairing mode is enabled in the loudspeaker.

7. Tap **PAIR** on the device to accept pairing to the loudspeakers.
   The app can connect to up to six loudspeakers.

Subsequent pairing

To pair additional loudspeakers with the EV QuickSmart Mobile app:

1. Tap the EV QuickSmart Mobile app icon.
2. **Select your Speakers** is displayed on the screen.
   The EV QuickSmart Mobile app is looking for available Bluetooth® enabled Electro-Voice loudspeakers.
   The available loudspeakers are displayed on the screen.
3. Tap the loudspeaker you want to pair with the app.
   The selected loudspeaker will have a line under it acknowledging it is selected.
4. Repeat the previous step until all of the required loudspeakers are selected.
5. Tap the **CONNECT** button.
   The app connects with the required loudspeaker.
   The app can connect to up to six loudspeakers.

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7 Amplifier DSP

7.1 Amplifier DSP controls

The amplifier has a combination of controls and connectors to ensure the most versatile loudspeaker system.

7.1.1 EVOLVE30M-G2 and EVOLVE50M-G2

1. **LCD** – DSP control and monitoring interface.
2. **MASTER VOLUME** - Adjusts the sound level and navigates the DSP control menu.
   DSP - Scroll through the menu and select the available choices. Push the **MASTER VOLUME** knob to enter the DSP control menu.
3. **Input selection soft keys** - Press the soft key to select the input and access the DSP control menu for the channel. Press the softkey a second time to deselect the channel and return to the main DSP.
4. **INPUT connectors**

– **INPUT 1** to **INPUT 4** - Balanced input for the connection of signal sources like instruments, or microphones. Connections can be established using TRS or XLR connectors. The XLR connectors are separately switchable for 48V phantom power. **INPUT 4** includes a HI-Z input below the TRS/XLR combo plug for connection to a high impedance instrument output via a TS plug.

– **INPUT 5/6** - Stereo input for connection of stereo line level signals of sources like mixing consoles or DJ controllers. Connection is made using either two XLR-type, TRS, RCA, or a single 3.5 mm stereo connector.

– **INPUT 7/8 -** Stereo Bluetooth audio connection**.**

5. **MIXER** - Access to mixer controls in DSP, such as LEVEL, GEQ, FX and signal routings.
6. **MIX OUT** - The post-fader audio signals of INPUT 1 through INPUT 7/8 are mixed and passed to MIX OUT. When the level controls of INPUT 1 - INPUT 7/8 are adjusted, the volume change will be reflected at MIX OUT. This feature allows the loudspeaker to act as a basic eight-channel mixer that can send the mix to another loudspeaker via the MIX OUT socket. The output is configurable in the menu to provide either the Mixer Mono, Stereo left or Stereo right signal. If QuickSmart Link is used, MIX OUT provides the same signal as the local column system.
7. **AUX OUT** - The **AUX OUT** is configurable to provide two types of audio mixes:

– Separate post fader audio mix of INPUT 1 to INPUT 7/8. This audio mix is controlled by individual channel **AUX** levels via DSP and does not include effects.

– Main mix output signal. This audio mix includes effects.

8. **QuickSmart Link** - RJ45 connector for Cat5 cable to link two EVOLVE systems together for digital audio and system control. The maximum recommended cable length is 100 m (328 ft).

Notice!
QuickSmart Link should only be used to connect two EVOLVE systems. QuickSmart Link is not an Ethernet/LAN port and is not compatible with network devices.

9. **FOOTSWITCH** - ¼-inch TRS connector for connecting footswitch control to toggle FX on/off.
10. **MAINS IN** - The device receives its power supply via the MAINS IN socket. Only the provided power cord may be used. Connect the device only to a mains network that can handle 100 - 240 V AC, 50 - 60 Hz.
11. **POWER** - Switch for power **ON** or **OFF** of the loudspeaker. The LCD screen lights up when the power is turned **ON**, after approximately three seconds.

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7.1.2 EVOLVE50-G2

1. **LCD** – DSP control and monitoring interface.
2. **MASTER VOLUME** - Adjusts the sound level and navigates the DSP control menu.
   DSP - Scroll through the menu and select the available choices. Push the **MASTER VOLUME** knob to enter the DSP control menu.
3. **Input selection soft keys** - Press the soft key to select the input and access the DSP control menu for the channel. Press the softkey a second time to deselect the channel and return to the main DSP.
4. **INPUT connectors**

– **INPUT 1** and **INPUT 2** - Balanced INPUT for the connection of signal sources like instruments, or microphones. Connections can be established using TRS or XLR connectors. The XLR connectors for INPUT 1 and INPUT 2 are separately switchable for 48V phantom power.
– **INPUT 3/4** - Stereo INPUT 3/4 for connection of stereo line level signals of sources like mixing consoles or DJ controllers. Connection is made using either two XLR-type, TRS, RCA, or a single 3.5 mm stereo connector.
– **INPUT 5/6** - Stereo Bluetooth audio connection.

5. **MIX OUT** - The post-fader audio signals of INPUT 1 through INPUT 5/6 are mixed and passed to MIX OUT. When the level controls of INPUT 1 - INPUT 5/6 are adjusted, the volume change will be reflected at MIX OUT. This feature allows the loudspeaker to act as a basic six-channel mixer that can send the mix to another loudspeaker via the MIX OUT socket. The output is configurable in the menu to provide either the Mixer Mono, Stereo left or Stereo right signal. If QuickSmart Link is used, MIX OUT provides the same signal as the local column system.
6. **QuickSmart Link** - RJ45 connector for Cat5 cable to link two EVOLVE systems together for digital audio and system control. The maximum recommended cable length is 100 m (328 ft).

Notice!
QuickSmart Link should only be used to connect two EVOLVE systems. QuickSmart Link is not an Ethernet/LAN port and is not compatible with network devices.

7. **MAINS IN** - The device receives its power supply via the MAINS IN socket. Only the provided power cord may be used. Connect the device only to a mains network that can handle 100 - 240 V AC, 50 - 60 Hz.
8. **POWER** - Switch for power **ON** or **OFF** of the loudspeaker. The LCD screen lights up when the power is turned **ON**, after approximately three seconds.

7.2 System status

7.2.1 EVOLVE30M-G2 and EVOLVE50M-G2

1. **IN 1** - VU meter displays the signal level of INPUT 1 into the amplifier INPUT 1 connector.

– The display of **PHANTOM** indicates 48V phantom power is switched on.
– The display of **DUCK** indicates that the ducker feature was enabled on this channel to reduce all stereo input signals when INPUT 1 signal exceeds the configured threshold.

2. **IN 2** - VU meter displays the signal level of INPUT 2 into the amplifier INPUT 2 connector.

– The display of **PHANTOM** indicates 48V phantom power is switched on.
– The display of **DUCK** indicates that the ducker feature was enabled on this channel to reduce all stereo input signals when INPUT 2 signal exceeds the configured threshold.

3. **IN 3** - VU meter displays the signal level of INPUT 3 into the amplifier INPUT 3 connector.

– The display of **PHANTOM** indicates 48V phantom power is switched on.

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– The display of **DUCK** indicates that the ducker feature was enabled on this channel to reduce all stereo input signals when INPUT 3 signal exceeds the configured threshold.

4. **IN 4** - VU meter displays the signal level of INPUT 4 into the amplifier INPUT 4 connector.

– The display of **PHANTOM** indicates 48V phantom power is switched on.

– The display of **DUCK** indicates that the ducker feature was enabled on this channel to reduce all stereo input signals when INPUT 4 signal exceeds the configured threshold.

5. **IN 5/6** - VU meter displays signal level of INPUT 5/6 into the amplifier INPUT 5/6 connector (maximum of left and right signal).
6. **IN 7/8** - VU meter displays signal level of incoming Bluetooth audio signal (maximum of left and right signal).

– The display of **LINK** indicates an active TWS (True Wireless Stereo) audio connection with another TWS speaker such as EVOLVE G2 / EVOLVE M G2, EVOLVE 70/90, EVERSE 8/12 or ZLX-G2.

7. **M** - VU meter displays the signal level of the main speaker output.

– The display of **DLY** indicates that a system delay was set for this speaker (up to 100 meters / 328.1 feet).

8. **C** - Bluetooth control app. The available options are:
   Off - disabled
   Flashing - pairing mode
   Solid - connected
9. **S** - Bluetooth audio streaming. The available options are:
   Off - disabled
   Flashing - pairing mode (120s)
   Solid - connected
10. Loudspeaker 4-digit ID to pair via Bluetooth®.
11. **Status display** - Alternately shows the following:
   1 - Indicates the selected preset number. There are five user-defined presets and one factory default preset available.
   E - Edited. Indicates the preset is not saved. When the preset is saved, the **E** is not displayed.
   Lock status - Indicates that the LCD display and controls are locked. Press the **MASTER VOLUME** knob or channel select soft key to unlock.

7.2.2 EVOLVE50-G2

1. **IN 1** - VU meter displays the signal level of INPUT 1 into the amplifier INPUT 1 connector.

– The display of **PHANTOM** indicates 48V phantom power is switched on.

– The display of **DUCK** indicates that the ducker feature was enabled on this channel to reduce all stereo input signals when INPUT 1 signal exceeds the configured threshold.

2. **IN 2** - VU meter displays the signal level of INPUT 2 into the amplifier INPUT 2 connector.

– The display of **PHANTOM** indicates 48V phantom power is switched on.

– The display of **DUCK** indicates that the ducker feature was enabled on this channel to reduce all stereo input signals when INPUT 2 signal exceeds the configured threshold.

3. **IN 5/6** - VU meter displays signal level of INPUT 5/6 into the amplifier INPUT 5/6 connector (maximum of left and right signal).
4. **IN 7/8** - VU meter displays signal level of incoming Bluetooth audio signal (maximum of left and right signal).

– The display of **LINK** indicates an active TWS (True Wireless Stereo) audio connection with another TWS speaker such as EVOLVE G2 / EVOLVE M G2, EVOLVE 70/90, EVERSE 8/12 or ZLX-G2.

5. **M** - VU meter displays the signal level of the main speaker output.

PRELIMINARY

– The display of **DLY** indicates that a system delay was set for this speaker (up to 100 meters / 328.1 feet).

6. **C** - Bluetooth control app. The available options are:
   Off - disabled
   Flashing - pairing mode
   Solid - connected
7. **S** - Bluetooth audio streaming. The available options are:
   Off - disabled
   Flashing - pairing mode (120s)
   Solid - connected
8. Loudspeaker 4-digit ID to pair via Bluetooth®.
9. **Status display** - Alternately shows the following:
   1 - Indicates the selected preset number. There are five user-defined presets and one factory default preset available.
   E - Edited. Indicates the preset is not saved. When the preset is saved, the **E** is not displayed.
   Lock status - Indicates that the LCD display and controls are locked. Press the **MASTER VOLUME** knob or channel select soft key to unlock.

7.2.3 System protection

System protection limiters indicate when a system is exceeding recommended usage by showing:

– **PK**
– **CLIP**
– **LIMITER**
– **AMP HOT!**

Notice!
Older firmware versions show **PEAK** instead of **PK**.

PK

PK indicates that the audio source signal to the loudspeaker reached the maximum input level, also called PEAK limit: -3 dB. This may result in a clipped signal causing audio distortion and potential damage to the equipment.
If **PK** is shown:

- Reduce the **INPUT GAIN** or the audio source signal.
  If **PK** stays active for more than 1 second, the system shows **CLIP**.

CLIP

CLIP indicates that the audio source signal exceeded the maximum input level and is producing audio distortion. This results in rough and harsh audio output and can cause damage to the equipment.
If **CLIP** is shown:

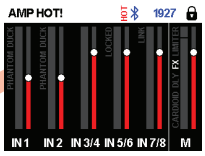
- Reduce the **INPUT GAIN** and/or the audio source signal until **CLIP** stops showing.

LIMITER

LIMITER protects the loudspeaker from short-term peaks and long-term overload, which can cause distortion. When **LIMITER** is displayed on the screen, the limiter is active.
If the **LIMITER** indication is shown often or continuously:

PRELIMINARY

- Reduce the output volume (**MASTER VOLUME**). This is strongly recommended.



AMP HOT!

AMP HOT! indicates that the amplifier has heated up to a point where the loudspeaker will cut out or shut down.

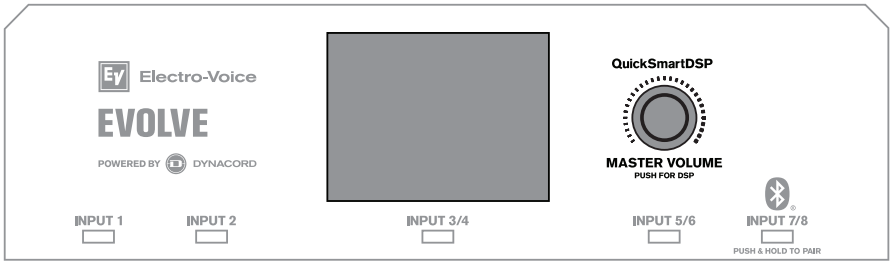
If **AMP HOT!** is shown:

- Make sure the system is not in direct sunlight or near another heat source.
- Ensure that the system's airflow is not obstructed and that the rear panel is not covered.
- If possible, switch off the system and give it time to cool down.

After cooling down, if the system still displays **AMP HOT!**, contact your Sales or Customer Service Representative.

7.3 DSP control menu

An integrated DSP control menu allows the user to select multiple DSP system settings on the loudspeaker.



Accessing the DSP control menu

To access the DSP control menu:

1. Push the **MASTER VOLUME** knob.
   The DSP control menu appears.
2. Using the **MASTER VOLUME** knob, scroll through the menu items.
3. Push the **MASTER VOLUME** knob to select the menu item you want to modify.
   The focus moves to the parameters on the right side of the DSP control menu.
4. Using the **MASTER VOLUME** knob, scroll through the parameters.
5. Push the **MASTER VOLUME** knob to confirm the selected parameter.
   The setting is saved. The focus returns to the menu items on the left side of the DSP control menu.
6. Repeat steps 2 through 5 to modify additional DSP and system settings.
7. Select **EXIT** to return to the home screen.

7.3.1 Loudspeaker DSP control menu

The loudspeaker DSP control menu selections are available for the EVOLVE G2 loudspeakers.

For complete EVOLVE G2 / EVOLVE M G2 menu list, refer to *OUTPUT list, page 46*.

EXIT menu

The **EXIT** menu is used to return to the home screen.

PRELIMINARY

Notice!
The display returns to the home screen after 30 seconds of inactivity.

MODE menu
The **MODE** menu is used to configure the type of sound the loudspeaker delivers.
Available options for this selection are: **MUSIC**, **LIVE**, **SPEECH** and **CLUB**.
– **MUSIC** - is used for recorded music playback.
– **LIVE** – is used for live sound applications.
– **SPEECH** – is used for spoken word applications.
– **CLUB** - is used for recorded electronic music playback when more bass response is desired.
The default is **MUSIC**.

SUB LEVEL
The **SUB LEVEL** control is used to adjust the volume of the subwoofer. The column is not affected by this setting.
The default is **0 dB**.

TREBLE control
The **TREBLE** control is used to adjust the high frequency performance of the loudspeaker for different applications or personal preference. The parameter controls a high shelving filter.
The default is **0 dB**.

MID control
The **MID** control is used to adjust the midrange frequency performance of the loudspeaker for different applications or personal preference.
The default is **0 dB**.

BASS control
The **BASS** control is used to adjust the low frequency performance of the loudspeaker for different applications or personal preference. The parameter controls a low shelving filter.
The default is **0 dB**.

MAIN GEQ menu (default)
The **MAIN GEQ** menu is used to adjust the frequency response of the loudspeaker for different applications or personal preference. There are seven different EQ filters available centered at the following frequencies: 63, 160, 400, 1.0K, 2.5K, 6.0K & 12K Hz.
The range of each filter is -12 dB to +12 dB.
The default value for each filter is **0 dB**.

MAIN PEQ menu
The **MAIN PEQ** menu is used to adjust the frequency response of the loudspeaker for different applications or personal preference. There are seven equalization filters available.
The filter type is selectable between the following:
PEQ - Parametric Equalization Filters shape the sound using peak/dip bell shaped filters which have three controls.

PRELIMINARY

- **Q** - Quality Factor defines the bandwidth of the filter. A lower **Q** provides a wider bandwidth and a higher **Q** provides a narrower bandwidth.
- **FREQ** - selects the center frequency of the EQ filter.
- **GAIN** - sets the amount of increase or reduction of the equalization filter.

LOW/HI SHELF - Shapes the sound using a shelving type filter that can be applied to the low frequency or high frequency response using two controls:

- **FREQ** - sets the center frequency of the filter. For the **LOW SHELF** filter the **GAIN** of the filter tapers off above the frequency selected. For the **HIGH SHELF** filter the **GAIN** of the filter tapers off below the frequency selected.
- **GAIN** - sets the amount of increase or reduction of the signal below or above the **FREQ** setting.

LOW/HI PASS - Pass band filters that shape the sound by only passing signal above or below the selected frequency.

- **FREQ** - sets the corner frequency for the pass band filter. For **HI PASS** filters all frequencies above the selection will be passed through. Frequencies below the setting will be tapered off. For **LOW PASS** filters all frequencies below the selection will be passed through. Frequencies above the selection will be tapered off.

MIX OUT menu

The **MIX OUT** menu is used to select which signal(s) should be output at **MIX OUT** and which signal should be delivered by the loudspeaker.

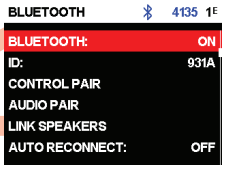
- **L+R** - The left and right signals of all inputs are summed. The sum is output at **MIX OUT** and is delivered by the loudspeaker (default).
- **L** - Only the panned left signal of all inputs is output at **MIX OUT**. The loudspeaker will deliver only the right signal.
- **R** - Only the panned right signal of all inputs is output at **MIX OUT**. The loudspeaker will deliver only the left signal.

SPK OUT menu

The **SPK OUT** setting configures the signal sent to the speaker itself.

- QuickSmart Link connected - **SPK OUT** and **MIX OUT** signals are identical (L+R/L/R).
- No QuickSmart Link connected - **SPK OUT** and **MIX OUT** signals are contrary (L/R) or also identical in case of mono system (L+R).

BLUETOOTH menu



The **BLUETOOTH** menu is used to set the Bluetooth® functionality of the loudspeaker.

ON/OFF - The **ON/OFF** menu controls whether Bluetooth® functionality is enabled or disabled on the loudspeaker.

CONTROL PAIR - The **CONTROL PAIR** menu is used to enable the QuickSmart Mobile app wireless control and monitoring application. Available options for this selection are: ON or OFF.
The default is **OFF**.

AUDIO PAIR - The **AUDIO PAIR** menu is used to stream audio from your Bluetooth® enabled device to the loudspeaker system. Available options for this selection are: **PAIRING**, **ON** or **OFF**.
The default is **OFF**.

LINK SPEAKERS

The **LINK SPEAKERS** function allows two EVOLVE G2 loudspeakers to be linked over Bluetooth® in true wireless stereo for Bluetooth® audio streaming only.
To link two EVOLVE G2 loudspeakers:

PRELIMINARY

1. Pair one of the EVOLVE G2 loudspeakers via Bluetooth® to a mobile device. Refer to Pairing the QuickSmart Mobile app for pairing instructions.
2. In both EVOLVE G2 loudspeakers, navigate to the **BLUETOOTH** menu in the Main DSP menu.
3. In both EVOLVE G2 loudspeakers, select **LINK SPEAKERS**.
   The LCD display will show **LINKING SPEAKERS...** while establishing connection between both EVOLVE G2 loudspeakers. When the connection is established, the menu will display **UNLINK SPEAKERS**.
   In the **BLUETOOTH** menu below **LINK SPEAKERS**, the stereo channel selection will appear.
4. Select the appropriate stereo channel selection for each EVOLVE G2 loudspeaker: **L+R** (mono), **L**, or **R**.
   Note: This is stereo image from the audience's perspective, also known as House L & R.

Notice!
With Bluetooth true wireless stereo (TWS) a mobile device can stream an audio signal to two loudspeaker systems. It is not possible to send input signals or the Mix of one EVOLVE G2 to another EVOLVE G2 system with this feature.

AUTO RECONNECT
The **AUTO RECONNECT** function allows to automatically connect your EVOLVE G2 to your audio streaming device when paired before. Both are switched on and Bluetooth is enabled. Available options for this selection are: **ON** or **OFF**.
The default is **OFF**.

AFS (automatic feedback suppression)

Notice!
AFS is available in EVOLVE30M-G2 and EVOLVE50M-G2. AFS is not available in EVOLVE50-G2.

The 12-band AFS can be engaged to reduce unwanted feedback frequencies when microphones or instruments with pickups are used. Feedback occurs when sound from the loudspeaker enters the microphone or pickup and is amplified by the loudspeaker and played back again. High levels or extended periods of feedback can damage hearing and equipment.
Available options for this selection are **OFF** and **ON**.

Reducing feedback
To reduce feedback:
1. Set the loudspeaker and microphone or instrument according to your performance. Follow appropriate microphone placement and use practices:
   - Do not place the microphone directly in front of the loudspeaker. Refer to the user manual of your microphone to know the pickup and rejection patterns of your microphone.
   - Avoid placing music stands, tablets, or other large flat objects near the microphone such that they can cause audio reflections into the microphone.
   - Use proper microphone technique when speaking, singing or placing by an instrument to avoid using excessive input gain. For example, hold the microphone close to your mouth when performing.
   - Engage appropriate input channel **PRESET** for your application: **LOW CUT 80 Hz**, **LOW CUT 120 Hz**, **VOCAL MIC**, **VOICE FILTER**, **SPEECH**, **ACOUSTIC GUITAR**, etc. Refer to INPUT DSP control menu.

PRELIMINARY

  - Do not cup the microphone element with your hands while speaking or singing. Only hold the microphone by the handle or body as per the microphone manufacturer's recommendation.
2. Enable AFS in the DSP control menu or FX section of the QuickSmart Mobile app. This will enable AFS on **INPUT 1** and **INPUT 2**.
3. Slowly turn up the output of the loudspeaker, and begin sound checking your microphone or instrument.
4. As you hear feedback, allow a few seconds for the AFS to detect and to reduce the feedback.
5. Continue sound check until no additional feedback tones are generated.

LED menu

The **LED** menu shows power on and indicates limit. Available options for this selection are: **ON**, **OFF** or **LIMITER**.

- **ON** - turns the LED on when the power switch is set to ON.
- **OFF** - turns the LED off.
- **LIMITER** - turns the LED off under normal operation. The LED brief blinking indicates the limiter is activating. Short-term blinking is not critical because the integrated limiter keeps distortion under control. Constant lighting of the LED indicates the sound is negatively affected. If the LED is constantly lit, check the rear LCD for more information. Reducing the output volume is strongly recommended.

The default is **ON**.

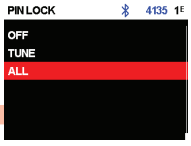
PIN LOCK menu

The **PIN LOCK** menu locks the DSP control menu. Available options for this selection are: **OFF**, **TUNE** or **ALL**.

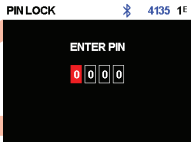
- **OFF** - turns the **PIN LOCK** off.
- **TUNE** - locks the INPUT control parameters but not the DSP control menu.
- **ALL** - locks all functions of the speaker.

The default is **OFF**.

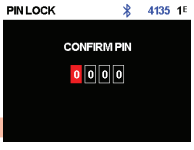
To lock the DSP control menu:



1. Select **TUNE** or **ALL**.



2. Enter a PIN code.



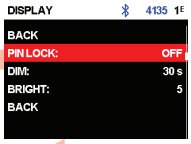
3. Re-enter the PIN code to confirm.
   If the PIN code does not match, it will set the **PIN LOCK** to **OFF**.
4. To lock the speaker select **LOCK NOW** from the **DISPLAY** menu.

The **PIN LOCK** will automatically engage after the speaker is power cycled.

To disable the **PIN LOCK**:

1. If not done already, unlock the device by entering the PIN code.
2. Deselect any input selection soft keys.
3. Push the **MASTER VOLUME** knob.

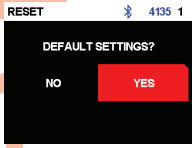
PRELIMINARY



4. Using the **MASTER VOLUME** knob, scroll to **DISPLAY**.
5. Select **PIN LOCK**.
6. Select **OFF**.

If you forget the PIN code, reset the loudspeaker to default settings.
To reset the loudspeaker to default settings:

- Press and hold the soft key for **INPUT 2** and **MASTER VOLUME** knob for at least 15 seconds.
  The **DEFAULT SETTINGS?** message appears.
- Select **YES**.
  The **ERASE USER PRESET...** message appears.
- Select **NO**.



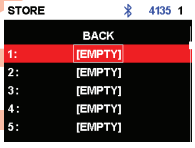
DIM menu

The **DIM** menu is used to dim the display when the display is idle for the configured time. Available options for this selection are: **OFF, 10 to 60 seconds**.
The default is **30 seconds**.

BRIGHT menu

The **BRIGHT** menu is used to determine the brightness of the LCD.
The range is 1 (darkest) to 10 (brightest).
The default is **5**.

STORE menu



The **STORE** menu allows you to create up to five customized user settings. Available options for this selection are: **BACK**, **1**, **2**, **3**, **4**, and **5**.

Notice!
The customized user setting name can contain a combination of alphanumeric characters including spaces. The alphanumeric character range is A to Z and 0 - 9.
The name field length is 12 characters.

Storing customized user settings

To store customized user settings:

1. From the DSP control menu, scroll to **STORE.**
2. Push the **MASTER VOLUME** knob to select **STORE**.
   The **STORE** screen appears.
3. Push the **MASTER VOLUME** knob to select **1**.
   The **Enter name for 1** screen appears.
4. Use the **MASTER VOLUME** knob to scroll through the characters.
   The characters appear.
5. Push the **MASTER VOLUME** knob to select the required character.
6. Turn the **MASTER VOLUME** knob to move to the next character entry.
   Continue selecting characters until the required name is entered.
7. Use the **MASTER VOLUME** knob to scroll to **SAVE**.
8. Push the **MASTER VOLUME** knob to select **SAVE**.
9. Repeat steps 3 through 8 to store additional customized user settings.

PRELIMINARY

10. Select **EXIT** to return to the home screen.

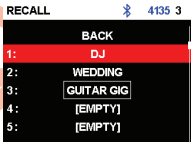
RECALL menu

The **RECALL** menu allows you to retrieve up to five customized user settings. Available options for this selection are: **BACK**, **1**, **2**, **3**, **4**, and **5**. In addition, setting **6** is available to recall a default setting. This setting cannot be used to store user settings.

Recalling customized user settings

To recall customized user settings:

- From the DSP control menu, scroll to **RECALL.**
- Push the **MASTER VOLUME** knob to select **RECALL**.
  The **RECALL** screen appears.
- Push the **MASTER VOLUME** knob to select **1**.
  The selected item is loaded.
- After the preset is loaded, the menu will return to the home screen.



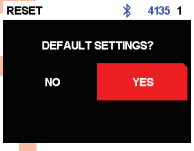
RESET menu

The **RESET** menu is used to reset the loudspeaker to original factory settings. Available options for this selection are: **NO** or **YES**.

Resetting the system

To reset the system to original factory settings:

- From the DSP control menu, select **RESET**.
  The **DEFAULT SETTINGS?** message appears.
- Select **YES**.
  The **ERASE USER PRESETS?** message appears.
- Select **YES**.



Notice!

The **RESET** menu item is used to revert the loudspeaker to the original factory default settings.

INFO menu

The **INFO** menu is used to display the firmware version.

PRELIMINARY

8 Input & Mixer operation

The loudspeaker INPUT DSP control menu selections are available for the EVOLVE G2 powered loudspeakers.
For complete EVOLVE30M-G2 and EVOLVE50M-G2 menu list, refer to *INPUT DSP control menu for EVOLVE30M-G2 and EVOLVE50M-G2, page 50*.
For complete EVOLVE50-G2 menu list, refer to *INPUT DSP control menu for EVOLVE50-G2, page 52*.

To control the mixer channels:

1. Press the input selection soft key to select the input channel.
   The softkey will illuminate once selected.
2. Use the **MASTER VOLUME** knob to adjust the level.
3. Press the **MASTER VOLUME** knob to enter the input channel's DSP control menu.
4. Press the input selection soft key again to deselect the input channel for control.
   The soft key will no longer be illuminated.

INPUT control adjustments

Caution is advised when adjusting the **INPUT LEVEL** and EQ. Usually minor changes are sufficient to produce the best results in the overall sound.

To adjust the incoming sound:

- Set all EQ controls to **0 dB** or **FLAT**.
- Avoid setting the EQ controls to extreme positions.
- Use natural reproduction as a starting point.
- Rely on your musically trained ear.

INPUT LEVEL control

The **INPUT LEVEL** control adjusts the sensitivity of the incoming signals to the internal operation level of the mixer.

To achieve a good signal input level:

1. Set the volume to **MUTE** using the **MASTER VOLUME** knob.
2. Press the input selection soft key and use the **MASTER VOLUME** knob to set the **INPUT LEVEL** to **MUTE**.
3. Connect the sound source (microphone, instrument, etc) to the selected input.
4. Start the sound source at the highest volume level to be expected. Sing or speak as loudly as possible directly (close up) into the microphone.
5. While playing the sound source or singing into the microphone:
   - Increase the **INPUT LEVEL** by selecting the input channel using the input selection soft key and using the **MASTER VOLUME** knob, so that during the loudest part, the **PK** does not show. Press the input selection soft key again to deselect the input channel.
   - Increase the **MASTER VOLUME** until you get the required output from the loudspeaker. This is the basic channel setting.

If further adjustments to the EQ setting of the channel are necessary, perform these steps again.
Changes in the sound shaping section also have an influence on the overall level of the channel.

48V

+48V DC phantom power is available on the XLR connector of the dedicated inputs.

PRELIMINARY

Portable column loudspeaker	Input connector
EVOLVE30M-G2 and EVOLVE50M-G2	INPUT 1 to INPUT 4
EVOLVE50-G2	INPUT 1 and INPUT 2

Table 8.1: Input connectors that enable phantom power

Phantom power can be used to power certain devices such as DI boxes and condenser microphones (non-electret). Consult the user manual of your device before using. There is no phantom power on the TRS connectors. Phantom power is switchable.

Notice!
Switch off phantom power (default) for sources which do not require phantom power such as dynamic microphones and mixer outputs. With phantom power already activated ensure to mute the input channel when connecting a microphone to avoid loud plop noise.

Notice!
Never connect a mobile device to a phantom power input connector with phantom power activated.

PRESET
The input **PRESET** adjusts the EQ and compressor settings to provide a starting point for adjusting the sound for different input types. Presets are available on **INPUT 1** and **INPUT 2**.

COMP control
The **COMP** (compressor) control controls the onboard compressor to adjust the input signal processing during operation.

Portable column loudspeaker	Input
EVOLVE30M-G2 and EVOLVE50M-G2	INPUT 1 to INPUT 4
EVOLVE50-G2	INPUT 1 and INPUT 2

Table 8.2: Inputs that enable COMP control

- Use the **COMP** control to adjust the compressor threshold and the compression ratio simultaneously.

Adjusting the **COMP** control from 0 to 100 will result in the following:
- The gain below the threshold will increase from 0 dB to +6 dB.
- The compression ratio will increase from 1:1 to 8:1.
- The compressor will reduce the dynamic range of the audio signal proportional to the compressor setting.

Once the signal exceeds a certain threshold, the signal gets compressed. Major input level changes result in minor output level changes. Narrowing the dynamic range often allows for easier recording or mixing of the audio signal. It is recommended to start with low to moderate levels of compression (25 - 40) and increase slowly if necessary.

PRELIMINARY

TREBLE/MID/BASS controls

The EQ section of the input channel allows for a broad difference in the shaping of the incoming audio signal within three frequency bands:

- **TREBLE** control - provides cymbals and vocals with more treble for a more transparent sound.
- **MID** control - increasing this level provides higher output in the vocal range, reducing this level can help reduce acoustical feedback.
- **BASS** control - adds more “punch” to the sound of a kick drum or adds “body” to the vocals.

PAN/BAL

The **PAN** (mono inputs) or **BAL** (stereo inputs) control adjusts the amount of the signal coming out of the stereo L or stereo R loudspeaker in a stereo setup. The **PAN/BAL** is not engaged for mono (single loudspeaker) setups.

DUCKER control

The ducker reduces the level of the signal(s) on all stereo inputs whenever a signal is detected at the selected MIC/LINE input.

Portable column loudspeaker	Input
EVOLVE30M-G2 and EVOLVE50M-G2	INPUT 1 to INPUT 4
EVOLVE50-G2	INPUT 1 and INPUT 2

Table 8.3: Inputs that enable DUCKER setting

If no signal is detected at the selected MIC/LINE input, the level of the signal(s) on the stereo inputs will return to the previous set levels.

The **DUCKER** is useful to speak over background music:

- When signal is detected on the selected MIC input, the music on the stereo input channels will be reduced.
- When signal is no longer detected on the selected MIC input, the music will return to the previous level.

Engaging the ducker

To engage the ducker:

1. Press the dedicated input selection soft key.
2. Adjust the ducker level to set the detection threshold for the selected input channel. When signal is detected on the selected input, the signal on the stereo inputs will be reduced by 12 dB. Typical values are -10 to -20 dB.

Ducker operation logic

- The **DUCKER** setting is the detection threshold selected on the input channel.
- The reduced or ducked channels are the input signals that are reduced by 12 dB.

	INPUT 1	INPUT 2	INPUT 3	INPUT 4	Reduced channels
DUCKER setting	-1 dB - -40 dB	OFF	OFF	OFF	INPUT 5 to INPUT 8
	OFF	-1 dB - -40 dB	OFF	OFF	INPUT 5 to INPUT 8

PRELIMINARY

	INPUT 1	INPUT 2	INPUT 3	INPUT 4	Reduced channels
	OFF	OFF	-1 dB - -40 dB	OFF	INPUT 5 to INPUT 8
	OFF	OFF	OFF	-1 dB - -40 dB	INPUT 5 to INPUT 8
	-1 dB - -40 dB	-1 dB - -40 dB	-1 dB - -40 dB	-1 dB - -40 dB	INPUT 5 to INPUT 8
	OFF	OFF	OFF	OFF	None

Table 8.4: DUCKER settings for EVOLVE30M-G2 and EVOLVE50M-G2

	INPUT 1	INPUT 2	Reduced channels
DUCKER setting	-1 dB - -40 dB	OFF	INPUT 3 to INPUT 6
	OFF	-1 dB - -40 dB	INPUT 3 to INPUT 6
	-1 dB - -40 dB	-1 dB - -40 dB	INPUT 3 to INPUT 6
	OFF	OFF	None

Table 8.5: DUCKER settings for EVOLVE50-G2

PRELIMINARY

9 Recommended configurations

9.1 Stereo pair

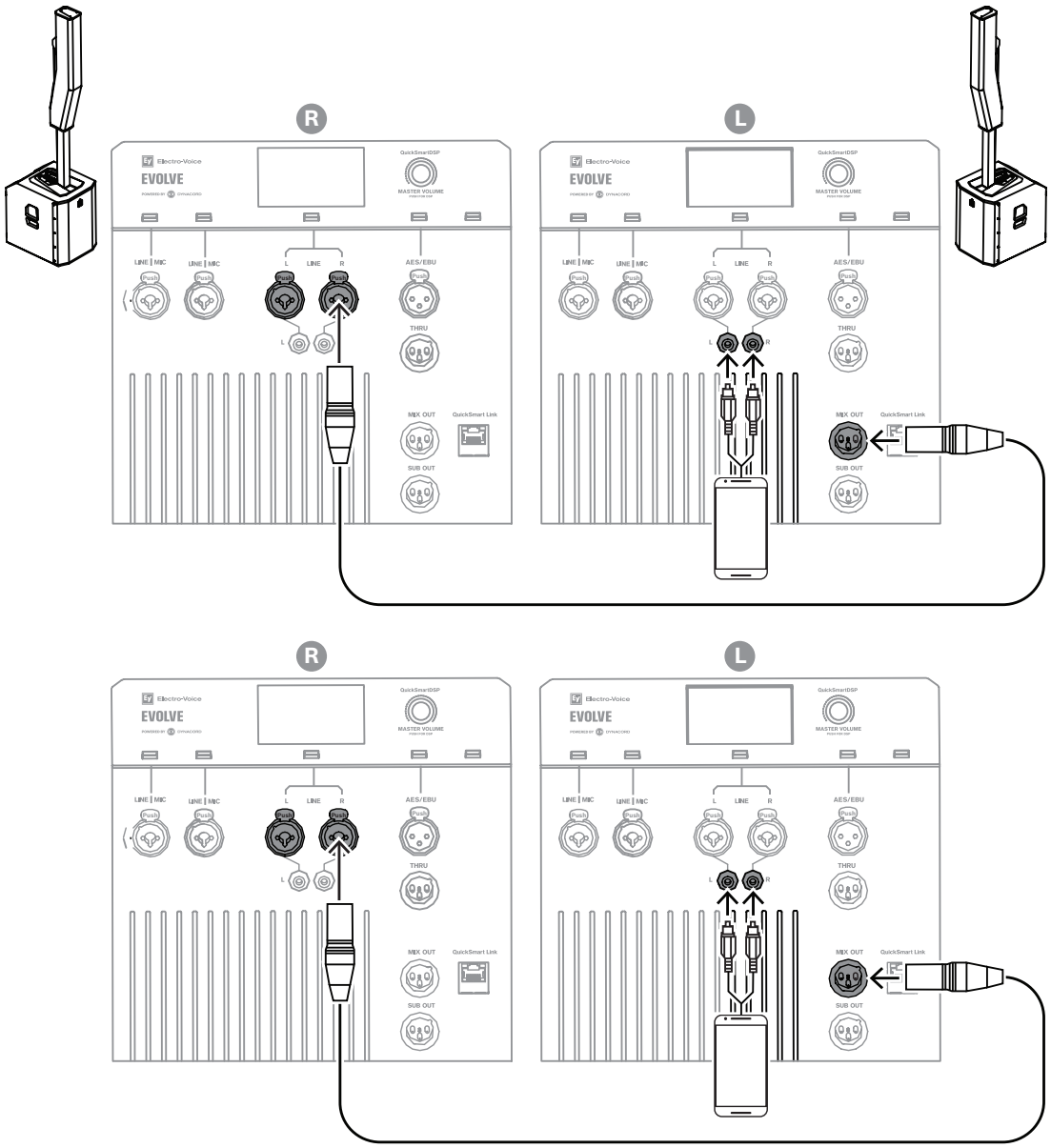


Figure 9.1: Setting up EVOLVE G2 for stereo configuration

	EVOLVE30M-G2 and EVOLVE50M-G2	EVOLVE50-G2
MODE	MUSIC	
MASTER SPEAKER (L) MIX OUT	R	
SATELLITE SPEAKER (R)	INPUT 5/6 (MONO)	INPUT 3/4 (MONO)

Table 9.1: DSP settings for stereo pair of EVOLVE G2 systems

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Notice!
Stereo connection from device to MASTER SPEAKER can be made with hard wires into the stereo inputs or via Bluetooth® into stereo Bluetooth® inputs.

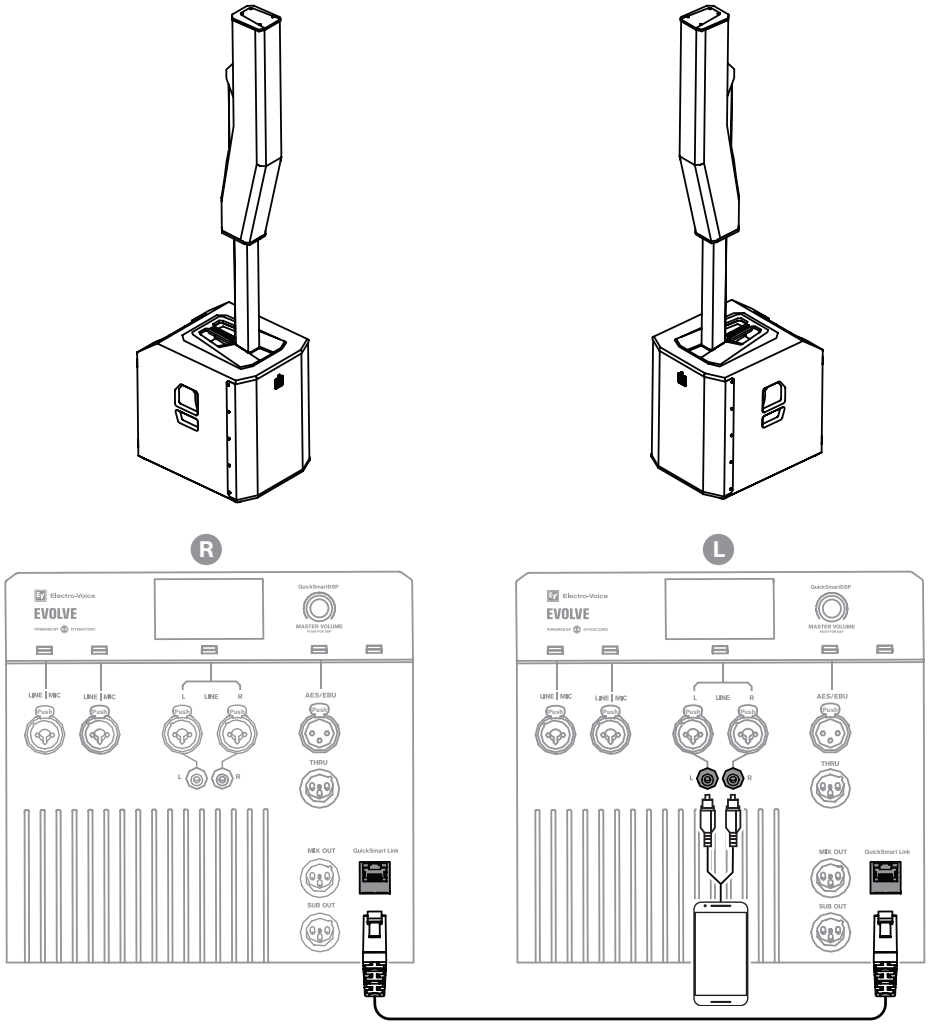

Figure 9.2: Setting up EVOLVE G2 for stereo configuration using QuickSmart Link

MODE	MUSIC
MASTER SPEAKER (L) SPK OUT	L
SATELLITE SPEAKER (R)	**QuickSmart Link** input

Table 9.2: DSP settings for stereo pair of EVOLVE G2 / EVOLVE M G2 systems using QuickSmart Link

PRELIMINARY

9.2 DJ performance

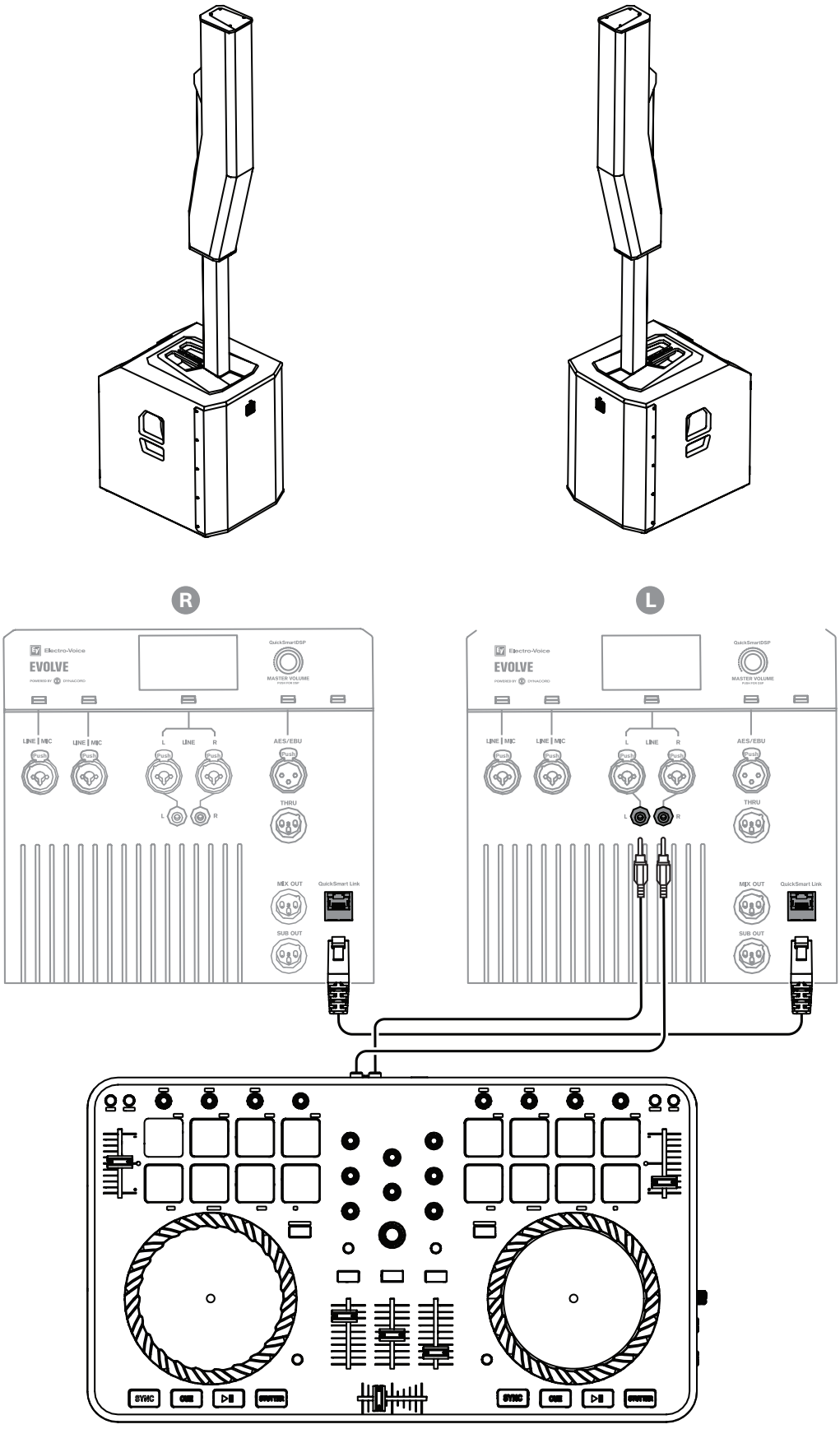

Figure 9.3: Setting up EVOLVE G2 for DJ performance

PRELIMINARY

MODE	MUSIC
MASTER SPEAKER (L) SPK OUT	L
SATELLITE SPEAKER (R)	**QuickSmart Link** input

Table 9.3: DSP settings for DJ performance

PRELIMINARY

9.3 Solo musician performance

Notice!
The direction of the arrow indicates the signal path.

MODE	LIVE

Table 9.4: DSP settings for solo musician performance

PRELIMINARY

9.4 Speaking event

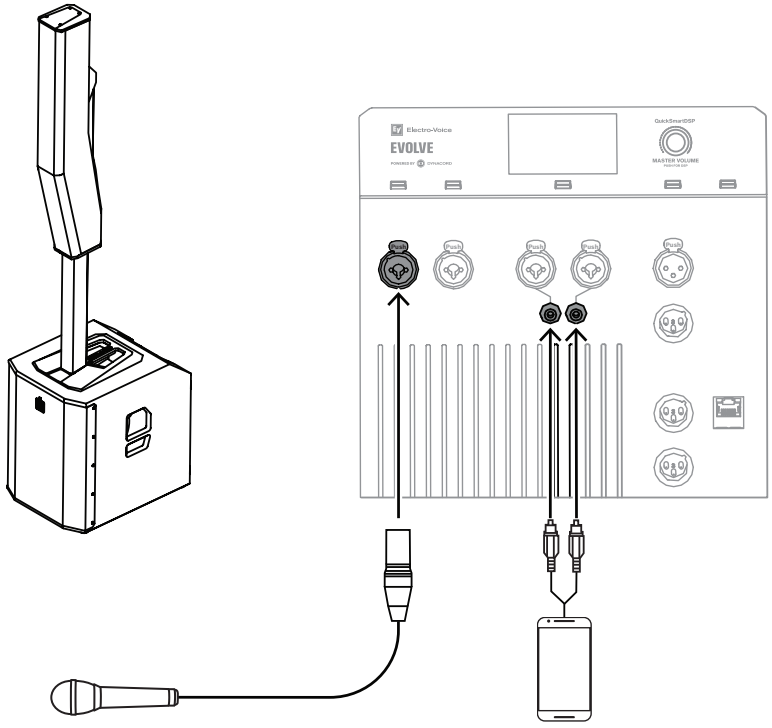

Figure 9.4: Setting up EVOLVE G2 for speaking event

Notice!
The direction of the arrow indicates the signal path.

MODE	SPEECH

Table 9.5: DSP settings for speaking event

PRELIMINARY

9.5 Bluetooth true wireless stereo (TWS)

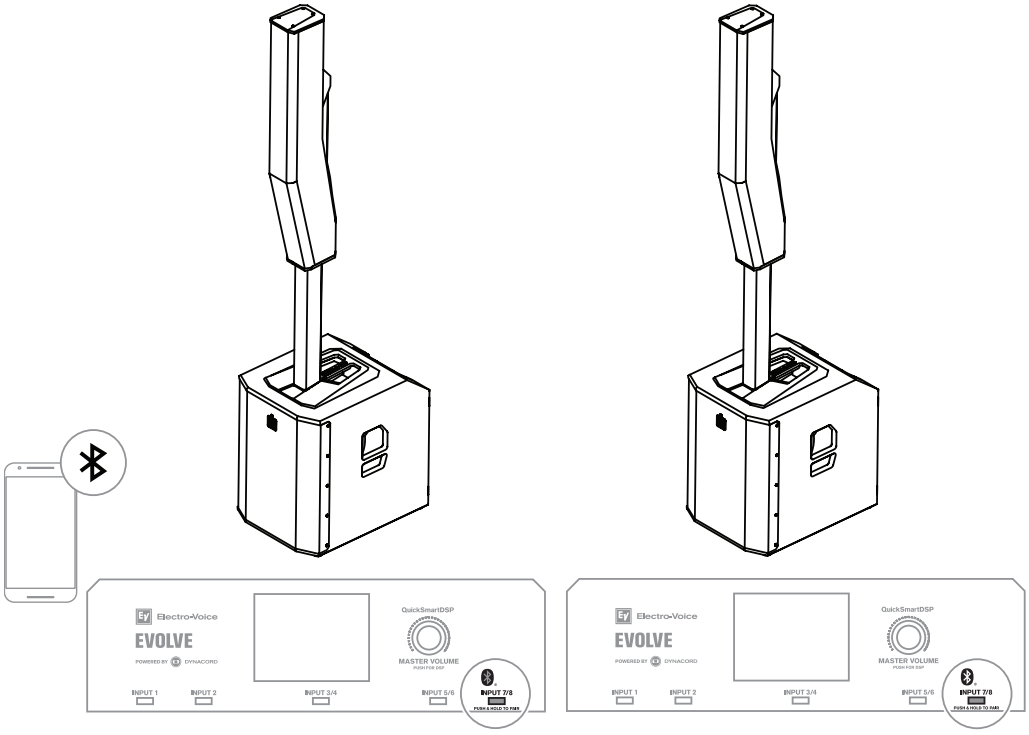

Figure 9.5: Setting up EVOLVE G2 for Bluetooth TWS

MODE	MUSIC

Table 9.6: DSP settings for Bluetooth TWS

To connect two loudspeakers via TWS:

1. Connect one of the loudspeakers to your streaming device via Bluetooth®.
2. Select **LINK SPEAKERS** in the **BLUETOOTH** control menu on both loudspeakers.
3. Change **LINK ROUTE** in the **BLUETOOTH** control menu to select Bluetooth input signal (**L+R**, **L** or **R**).

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9.6 Stereo with additional subwoofer

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10 Troubleshooting

Problem	Possible cause	Action
1. No sound	Amplifier	Verify all the electronics are on, the signal routing is correct, the source is active; the volume is turned up, no channels are muted, etc. Correct/repair/replace as necessary. If there is still no sound, the problem may be wiring.
	Wiring	Verify you have connected the correct cables to the amplifier. Play something at a low level through the amplifier. Connect a test loudspeaker in parallel with the malfunctioning line. If the sound level is gone or is very weak, the line has a short in it (possibly a severe scrape, pinch, or a missed connection). Using the test loudspeaker, move down the line and test each connection/junction until you find the problem and correct it. Observe proper polarity.
2. Intermittent output such as crackling or distortion	Faulty connection	Check all connections at amplifier and loudspeakers to ensure they are all clean and tight. If the problem persists, check the wiring. See problem 1.
3. Constant noise such as buzzing hissing or humming	Defective source or other electronic device	If noise is present, but no program material is playing, evaluate each component as necessary to isolate the problem. Most likely there is a break in the signal path.
	Poor system grounding or ground loop	Check and correct the system grounding, as required.
4. No sound produced with microphone connected to line/mic inputs	Microphone requires phantom power.	Ensure the microphone is connected to a line/mic input. Ensure that PHANTOM is set to **ON** in this channel. Phantom power is not available on line inputs.
	Input channel is muted or LEVEL is too low.	Select the channel and verify the channel is not muted. If it is not muted, slowly increase the channel LEVEL until sound is produced.
5. Sound is distorted, front LED is OFF, LCD screen **LIMITER** is ON	Excessive input level	Reduce the input level or loudspeaker level to prevent limit.
	Incorrect gain structure or source input (mixing console/preamp) is overdriven	Verify level controls of the source are properly structured by using the VU meter indicator on the LCD screen. If the VU meter bar is solid or the system indicates **CLIP** or **LIMITER**, the input or source level is too high.

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Problem	Possible cause	Action
6. Microphone produces acoustic feedback when input level is amplified	Incorrect gain structure	Reduce the microphone signal by reducing the INPUT level. Positioning the microphone close to the sound source increases gain before feedback.
	MODE is set to MUSIC	Change the MODE to LIVE or SPEECH.
	Microphone position is too close to the front of the loudspeaker	Whenever possible, setup the loudspeakers so the microphone is behind them. If using a separate loudspeaker in a monitor position, aim the loudspeaker to the back of the microphone.
7. DSP control menu is locked	The menu **LOCK** function has been turned on. A lock symbol displays on the LCD screen.	Press the **MASTER VOLUME** knob or input selection soft keys to unlock.
8. QuickSmart Mobile app does not detect the loudspeaker	Enable Bluetooth®	Ensure Bluetooth® is enabled on the loudspeaker. For Android: ensure location services are activated. Remove loudspeaker from iOS/Android in device settings (sometimes called “FORGET”). Restart pairing. Ensure phone/tablet has required OS version and latest updates installed. Ensure the latest QuickSmart Mobile App is installed. Ensure no other phone/tablet is connected to the same loudspeaker.
9. PIN code unlock not successful	Incorrect PIN code entered	Retry PIN code entry Or Press and hold the soft key for **INPUT 2** and **MASTER VOLUME** knob for at least 15 seconds to reset the loudspeaker to default settings.
10. Sound is distorted or interrupted if using QuickSmart Link	Improper cable or cable that is too long	Use shielded CAT5 (or better) cables that are not longer than 100 m (328 ft).
	Network hardware (Switches / Routers) connected	Only a direct connection between no more than two EVOLVE G2 systems is allowed to work correctly.

If these suggestions do not solve your problem, contact your nearest Electro-Voice dealer or Electro-Voice distributor.

PRELIMINARY

11 Technical data

	EVOLVE30M-G2-EU Portable column system black EU 30M G2
Column	(6) 2.8-inch neodymium drivers
Subwoofer	(1) 10-inch woofer
Frequency response (-3 dB) (Hz)[1]	51 Hz – 20,000 Hz
Frequency range (-10 dB) (Hz)[1]	45 Hz – 20,000 Hz
Maximum sound pressure level at a distance of 1 m (dB)[2]	125 dB
Coverage angle HxV (°)	120° x 40°
Amplifier rating (W)	tbd
Power consumption (V, Hz, A)[3]	100 - 240 VAC, 50 - 60 Hz, tbd
LF channel rating (W)	tbd
HF channel rating (W)	tbd
Crossover frequency (Hz)	200 Hz
Connector type	Dual XLR/TRS combo jack mic / line inputs with switchable 48V phantom power ¼-inch Hi-Z input XLR combo jack line input Stereo RCA line input 3.5 mm stereo jack input XLR Mix out Aux out RJ45 QuickSmart Link connector Bluetooth Stereo input with TWS Footswitch control jack input
Enclosure	Plywood with polyurea coating (subwoofer) Composite (column) Aluminum (pole)
Grille material	Steel with black or white powder coat
Color	Black or white
Dimensions (H x W x D) (in)	tbd
Dimensions (H x W x D) (mm)	448 mm x 332 mm x 432 mm (subwoofer) 620 mm x 95 mm x 157 mm (column) (pole)
Assembled dimensions (H x W x D) (in)	tbd
Assembled dimensions (H x W x D) (mm)	1997 mm x 332 mm x 432 mm
Shipping dimensions (H x W x D) (in)	tbd
Shipping dimensions (H x W x D) (mm)	tbd

PRELIMINARY

	EVOLVE30M-G2-EU Portable column system black EU 30M G2
Weight (lb)	44 lb
Weight (kg)	19.9 kg
Shipping weight (lb)	tbd
Shipping weight (kg)	tbd

[1]Full-space measurement using **MUSIC** DSP preset.
[2]Maximum SPL is measured at 1 m using broadband pink noise at maximum output.
[3]Current rating is 1/8 power.

	EVOLVE50M-SB-G2-EU 12" sub black EU cord EVOLVE 50M G2
Column	(8) 3.5-inch neodymium drivers
Subwoofer	(1) 12-inch woofer
Frequency response (-3 dB) (Hz)[1]	43 Hz – 20,000 Hz
Frequency range (-10 dB) (Hz)[1]	37 Hz – 20,000 Hz
Maximum sound pressure level at a distance of 1 m (dB)[2]	129 dB
Coverage angle HxV (°)	120° x 40°
Amplifier rating (W)	tbd
Power consumption (V, Hz, A)[3]	100 - 240 VAC, 50 - 60 Hz, tbd
LF channel rating (W)	tbd
HF channel rating (W)	tbd
Crossover frequency (Hz)	200 Hz
Connector type	Dual XLR/TRS combo jack mic / line inputs with switchable 48V phantom power ¼-inch Hi-Z input XLR combo jack line input Stereo RCA line input 3.5 mm stereo jack input XLR Mix out Aux out RJ45 QuickSmart Link connector Bluetooth Stereo input with TWS Footswitch control jack input
Enclosure	Plywood with polyurea coating (subwoofer) Composite (column) Aluminum (pole)
Grille material	Steel with black or white powder coat

PRELIMINARY

	EVOLVE50M-SB-G2-EU 12" sub black EU cord EVOLVE 50M G2
Color	Black or white
Dimensions (H x W x D) (in)	tbd
Dimensions (H x W x D) (mm)	530 mm x 345 mm x 470 mm (subwoofer) 825 mm x 102.4 mm x 172 mm (column) tbd (pole)
Assembled dimensions (H x W x D) (in)	tbd
Assembled dimensions (H x W x D) (mm)	2045 mm x 345 mm 470 mm
Shipping dimensions (H x W x D) (in)	tbd (subwoofer) tbd (column, pole, and carry bag)
Shipping dimensions (H x W x D) (mm)	tbd (subwoofer) tbd (column, pole, and carry bag)
Weight (lb)	57 lb
Weight (kg)	26 kg
Shipping weight (lb)	tbd (subwoofer) tbd (column, pole, and carry bag)
Shipping weight (kg)	tbd (subwoofer) tbd (column, pole, and carry bag)

[1]Full-space measurement using **MUSIC** DSP preset.
[2]Maximum SPL is measured at 1 m using broadband pink noise at maximum output.
[3]Current rating is 1/8 power.

	EVOLVE50-SB-G2-EU 12" sub black EU cord EVOLVE 50 G2
Column	(8) 3.5-inch neodymium drivers
Subwoofer	(1) 12-inch woofer
Frequency response (-3 dB) (Hz)[1]	43 Hz – 20,000 Hz
Frequency range (-10 dB) (Hz)[1]	37 Hz – 20,000 Hz
Maximum sound pressure level at a distance of 1 m (dB)[2]	129 dB
Coverage angle HxV (°)	120° x 40°
Amplifier rating (W)	tbd
Power consumption (V, Hz, A)[3]	100 - 240 VAC, 50 - 60 Hz, tbd
LF channel rating (W)	tbd
HF channel rating (W)	tbd
Crossover frequency (Hz)	tbd

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	EVOLVE50-SB-G2-EU 12" sub black EU cord EVOLVE 50 G2
Connector type	Dual XLR/TRS combo jack mic / line inputs with switchable 48V phantom power Stereo RCA line input 3.5 mm stereo jack input XLR Mix out RJ45 QuickSmart Link connector Bluetooth Stereo input with TWS
Enclosure	Plywood with polyurea coating (subwoofer) Composite (column) Aluminum (pole)
Grille material	Steel with black or white powder coat
Color	Black or white
Dimensions (H x W x D) (in)	tbd
Dimensions (H x W x D) (mm)	530 mm x 345 mm x 470 mm (subwoofer) 825 mm x 102.4 mm x 172 mm (column) tbd (pole)
Assembled dimensions (H x W x D) (in)	tbd
Assembled dimensions (H x W x D) (mm)	2045 mm x 345 mm x 470 mm
Shipping dimensions (H x W x D) (in)	tbd (subwoofer) tbd (column, pole, and carry bag)
Shipping dimensions (H x W x D) (mm)	tbd (subwoofer) tbd (column, pole, and carry bag)
Weight (lb)	57 lb
Weight (kg)	26 kg
Shipping weight (lb)	tbd (subwoofer) tbd (column, pole, and carry bag)
Shipping weight (kg)	tbd (subwoofer) tbd (column, pole, and carry bag)

[1]Full-space measurement using **MUSIC** DSP preset.
[2]Maximum SPL is measured at 1 m using broadband pink noise at maximum output.
[3]Current rating is 1/8 power.

11.1 Block diagram?

11.2 Dimensions

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12 Appendices

12.1 Audio FX

Audio FX (effects) are processing techniques that alter the sound of an audio signal.
EVOLVE G2 audio FX are subject to change without notice.

12.1.1 FX on EVOLVE30M-G2 and EVOLVE50M-G2

Number	Name App	Name LCD
0	OFF	OFF
	Bright Hall Large Room 1	
	Bright Hall Large Hall 1	
	Bright Hall Large Hall 3	
	Bright Hall Church 1	
	Bright Hall Cathedral 2	
	Bright Plate Medium Plate 1	
	Bright Plate Long Plate 4	
	Echo+Reverb 95ms + Rev1	
	Echo+Reverb 220ms + Rev5	
	Chorus 2 slow	
	Chorus 2 med	
	Chorus 2 fast	
	Chorus + Echo 3 slow	
	Chorus + Echo 3 med	
	Chorus + Echo 3 fast	
	Jet Flanger	
	Mono Delay 185ms 40%	
	Mono Delay 420ms 40%	
	Soft Hall Large Room 1	
	Soft Hall Large Hall 1	
	Soft Hall Large Hall 3	
	Soft Hall Church 1	
	Soft Hall Cathedral 2	
	Soft Plate Medium Plate 1	
	Soft Plate Long Plate 4	
	Mono Delay 185ms 20%	
	Mono Delay 420ms 20%	

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Number	Name App	Name LCD
	Doubling Linear 1a	
	Doubling Linear 2a	
	Doubling Linear 2c	
	Reverse 1	
	Slap Back Fast Echo	
	Slap Back Slow Echo	
	Reverb + Chorus Slow	
	Reverb + Chorus Medium	
	Reverb + Chorus Fast	
	Tap Delay	

12.1.2 FX on EVOLVE50-G2 effects

Number	Name App	Name LCD
0	OFF	OFF
	Bright Hall Large Room 2	
	Bright Hall Large Hall 1	
	Bright Hall Large Hall 3	
	Bright Hall Church 1	
	Bright Plate Medium Plate 1	
	Bright Plate Long Plate 4	
	Echo+Reverb 95ms + Rev1	
	Chorus 2 slow	
	Chorus 2 med	
	Chorus 2 fast	
	Chorus + Echo 3 slow	
	Chorus + Echo 3 med	
	Chorus + Echo 3 fast	
	Mono Delay 185ms 40%	
	Mono Delay 420ms 40%	
	Soft Hall Large Room 1	
	Soft Hall Large Hall 1	
	Soft Hall Large Hall 3	

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Number	Name App	Name LCD
	Soft Hall Church 1	
	Soft Hall Cathedral 2	
	Soft Plate Medium Plate 1	
	Soft Plate Long Plate 4	
	Doubling Linear 1a	
	Doubling Linear 2c	
	Slap Back Fast Echo	
	Slap Back Slow Echo	
	Reverb + Chorus Slow	
	Reverb + Chorus Medium	
	Reverb + Chorus Fast	
	Tap Delay	

12.2 Warranty information

For information on warranty periods and after sales service, please visit: www.electrovoice.com/warranty

12.3 OUTPUT list

The OUTPUT list is available for all EVOLVE G2 / EVOLVE M G2 models, except for AFS.

VOLUME		0 dB (Default)
		MUTE, -80 dB- +10 dB, (1 dB)
	EXIT	
	MODE	MUSIC (Default)
		LIVE
		SPEECH
		CLUB
	SUB LEVEL	0 dB (Default)
		MUTE
		-80 dB - +10 dB (1 dB)
	TREBLE	0 dB (Default)
		-12 dB - +6 dB

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MID		0 dB (Default)
		-12 dB - +6 dB
BASS		0 dB (Default)
		-12 dB - +6 dB
MAIN EQ (PEQ selected)	BACK	
	ENABLE ALL	ON (Default)
		OFF
	RESET ALL	NO (Default)
		YES
	PEQ #	1 (Default)
		1 - 7
	BYPASS	OFF (Default)
		ON
	TYPE	PEQ (Default)
		LOW SHELF
		HIGH SHELF
		LOW PASS
		HIGH PASS
	Q (PEQ only)	0.7 (Default)
		0.5 - 10.0
	FREQ	63 Hz (Default)
		20 Hz - 20 kHz
	GAIN (PEQ, LOW SHELF and HI SHELF only)	0 dB (Default)
		-12 dB - +12 dB
	RESET	NO (Default)
		YES
	BACK	
MAIN EQ (GEQ selected)	BACK	
	63 Hz	0 dB (Default) -12 dB - +12 dB (1 dB)
	160 Hz	
	400 Hz	
	1 kHz	
	2.5 kHz	
	6 kHz	

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	12 kHz	
	RESET	RESET ALL BANDS? YES/NO
	BACK	
FX	01 (Default)	
	00 - 30	
FX Delay (FX 20 only)	427 ms (Default)	
	30 ms - 550 ms	
FX ENABLE	ON (Default)	
	OFF	
AFS (not available on EVOLVE50-G2)	OFF (Default)	
	ON	
DELAY	BACK	
	DELAY	OFF (Default) 0.1 m - 100.0 m
	SUB DELAY	OFF (Default) -10.0 m - +10.0 m
	UNIT	METER FEET MILLISECONDS
	BACK	
SPK OUT		L + R (Default)
		L
		R
MIX OUT		L + R (Default)
		L
		R
SUB CONFIG		NORMAL (Default)
		CARDIOID
BLUETOOTH	BACK	
	BLUETOOTH	ON (Default)
		OFF
	ID (4-digit unique device number)	
	CONTROL PAIR	
	AUDIO PAIR	

PRELIMINARY

		LINK SPEAKERS	
		LINK ROUTE	L+R (Default)
			L
			R
		AUTO RECONNECT	OFF (Default)
			ON
		BACK	
	LED		ON (Default)
			OFF
			LIMITER
	DISPLAY	BACK	
		PIN LOCK	OFF (Default)
			TUNE
			ALL
		LOCK NOW (only if PIN is set)	
		DIM	30 s (Default)
			10 s - 60 s
			OFF
		BRIGHT	5 (Default)
			1 - 10
		BACK	
	STORE		BACK, 1, 2, 3, 4, 5, BACK
	RECALL		BACK, 1, 2, 3, 4, 5, 6 (Default), BACK
	RESET	DEFAULT SETTINGS?	NO (Default)
			YES
		ERASE USER PRESETS?	NO (Default)
			YES
	IMPRINT & LICENSE		[OSS license text]
	INFO		[FIRMWARE VERSION]
			©2025 Electro-Voice
	EXIT		

Table 12.1: Loudspeaker DSP control menu

PRELIMINARY

12.4 INPUT list

12.4.1 INPUT DSP control menu for EVOLVE30M-G2 and EVOLVE50M-G2

INPUTS 1 & 2		
LEVEL		0 dB (Default)
		MUTE, -80 dB - +42 dB
	EXIT	
	PHANTOM	OFF (Default)
		ON
	PRESET	FLAT (Default)
		LOW CUT 80
		LOW CUT 120
		VOCAL MIC
		VOICE FILTER
		ND76 VOCAL
		RE520
		ND86 VOCAL
		ND96 VOCAL
		SPEECH
		LINE INPUT
	COMP	OFF (Default)
		OFF, 1 - 100
	TREBLE	0 dB (Default)
		-12 dB - +12 dB
	MID	0 dB (Default)
		-12 dB - +12 dB
	BASS	0 dB (Default)
		-12 dB - +12 dB
	PAN (stereo operation only)	C (Default)
		10 L - 10 R
	DUCKER	OFF (Default)
		OFF, -1 - -40
	EXIT	

Table 12.2: INPUTS 1 & 2 DSP control menu

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INPUT 5/6		
LEVEL		0 dB (Default)
		MUTE, -80 dB - +10 dB
	EXIT	
	TREBLE	0 dB (Default)
		-12 dB - +12 dB
	MID	0 dB (Default)
		-12 dB - +12 dB
	BASS	0 dB (Default)
		-12 dB - +12 dB
	BAL (stereo operation only)	C (Default)
		10 L - 10 R
	EXIT	

Table 12.3: INPUT 5/6 DSP control menu

INPUT 7/8			
LEVEL			0 dB (Default)
			MUTE, -80 dB - +10 dB
	EXIT		
	TREBLE		0 dB (Default)
			-12 dB - +12 dB
	MID		0 dB (Default)
			-12 dB - +12 dB
	BASS		0 dB (Default)
			-12 dB - +12 dB
	BAL (stereo operation only)		C (Default)
			10 L - 10 R
	BLUETOOTH	BACK	
		BLUETOOTH	ON (Default)
			OFF
		ID (4-digit unique device number)	
		CONTROL PAIR	
		AUDIO PAIR	
		LINK SPEAKERS	

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		LINK ROUTE	L+R (Default)
			L
			R
		AUTO RECONNECT	OFF (Default)
			ON
		BACK	
	EXIT		

Table 12.4: INPUT 7/8 DSP control menu

12.4.2 INPUT DSP control menu for EVOLVE50-G2

INPUTS 1 & 2		
LEVEL		0 dB (Default)
		MUTE, -80 dB - +42 dB
	EXIT	
	PHANTOM	OFF (Default)
		ON
	PRESET	FLAT (Default)
		LOW CUT 80
		LOW CUT 120
		VOCAL MIC
		VOICE FILTER
		ND76 VOCAL
		RE520
		ND86 VOCAL
		ND96 VOCAL
		SPEECH
		LINE INPUT
	COMP	OFF (Default)
		OFF, 1 - 100
	TREBLE	0 dB (Default)
		-12 dB - +12 dB
	MID	0 dB (Default)
		-12 dB - +12 dB
	BASS	0 dB (Default)

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		-12 dB - +12 dB
	PAN (stereo operation only)	C (Default)
		10 L - 10 R
	DUCKER	OFF (Default)
		OFF, -1 - -40
	EXIT	

Table 12.5: INPUTS 1 & 2 DSP control menu

INPUT 3/4		
LEVEL		0 dB (Default)
		MUTE, -80 dB - +10 dB
	EXIT	
	TREBLE	0 dB (Default)
		-12 dB - +12 dB
	MID	0 dB (Default)
		-12 dB - +12 dB
	BASS	0 dB (Default)
		-12 dB - +12 dB
	BAL (stereo operation only)	C (Default)
		10 L - 10 R
	EXIT	

Table 12.6: INPUT 3/4 control menu

INPUT 5/6		
LEVEL		0 dB (Default)
		MUTE, -80 dB - +10 dB
	EXIT	
	TREBLE	0 dB (Default)
		-12 dB - +12 dB
	MID	0 dB (Default)
		-12 dB - +12 dB
	BASS	0 dB (Default)

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			-12 dB - +12 dB
	BAL (stereo operation only)		C (Default)
			10 L - 10 R
	BLUETOOTH	BACK	
		BLUETOOTH	ON (Default)
			OFF
		ID (4-digit unique device number)	
		CONTROL PAIR	
		AUDIO PAIR	
		LINK SPEAKERS	
		LINK ROUTE	L+R (Default)
			L
			R
		AUTO RECONNECT	OFF (Default)
			ON
		BACK	
	EXIT		

Table 12.7: INPUT 5/6 DSP control menu

12.5 Regulatory information

12.5.1 FCC information

IMPORTANT: Do not modify this unit! Changes or modifications not expressly approved by the manufacturer could void the user's authority, granted by the FCC, to operate the equipment.

Notice!

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

l'appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage,
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement.cette eqipment devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.

12.5.2 Simplified Declaration of Conformity (sDoC) for Europe (CE)

BG	С настоящото Bosch Security Systems, LLC декларира, че този тип радиосъоръжение EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: www.electrovoice.com
CS	Tímto Bosch Security Systems, LLC prohlašuje, že typ rádiového zařízení EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: www.electrovoice.com
DA	Hermed erklærer Bosch Security Systems, LLC , at radioudstyrstypen EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: www.electrovoice.com
DE	Hiermit erklärt Bosch Security Systems, LLC , dass der Funkanlagentyp EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: www.electrovoice.com
EL	Με την παρούσα ο/η Bosch Security Systems, LLC , δηλώνει ότι ο ραδιοεξοπλισμός EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: www.electrovoice.com

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EN	Hereby, Bosch Security Systems, LLC declares that the radio equipment type EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 is in compliance with Directive 2014/53/EU and the relevant statutory requirements. The full text of the EU declaration of conformity is available at the following internet address: www.electrovoice.com.
ES	Por la presente, Bosch Security Systems, LLC declara que el tipo de equipo radioeléctrico EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: www.electrovoice.com.
ET	Käesolevaga deklareerib Bosch Security Systems, LLC , et käesolev raadioseadme tüüp EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: www.electrovoice.com
FI	Bosch Security Systems, LLC vakuuttaa, että radiolaitetyyppi EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: www.electrovoice.com
FR	Le soussigné, Bosch Security Systems, LLC , déclare que l'équipement radioélectrique du type EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: www.electrovoice.com
HR	Bosch Security Systems, LLC ovime izjavljuje da je radijska oprema tipa EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: www.electrovoice.com
HU	Bosch Security Systems, LLC igazolja, hogy a EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: www.electrovoice.com
IT	Il fabbricante, Bosch Security Systems, LLC , dichiara che il tipo di apparecchiatura radio EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: www.electrovoice.com
LT	Aš, Bosch Security Systems, LLC , patvirtinu, kad radijo įrenginių tipas EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: www.electrovoice.com

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LV	Ar šo Bosch Security Systems, LLC deklarē, ka radioiekārta EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: www.electrovoice.com
MT	B'dan, Bosch Security Systems, LLC , niddikjara li dan it-tip ta' tagħmir tar-radju EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: www.electrovoice.com
NL	Hierbij verklaar ik, Bosch Security Systems, LLC , dat het type radioapparatuur EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: www.electrovoice.com
PL	Bosch Security Systems, LLC niniejszym oświadcza, że typ urządzenia radiowego EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: www.electrovoice.com
PT	O(a) abaixo assinado(a) Bosch Security Systems, LLC declara que o presente tipo de equipamento de rádio EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: www.electrovoice.com
RO	Prin prezenta, Bosch Security Systems, LLC declară că tipul de echipamente radio EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: www.electrovoice.com
SK	Bosch Security Systems, LLC týmto vyhlasuje, že rádiové zariadenie typu EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: www.electrovoice.com
SL	Bosch Security Systems, LLC potrjuje, da je tip radijske opreme EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: www.electrovoice.com
SV	Härmed försäkrar Bosch Security Systems, LLC att denna typ av radioutrustning EVOLVE30M-G2-EU, EVOLVE30M-G2-W, EVOLVE50-SB-G2-EU, EVOLVE50-SW-G2, EVOLVE50M-SB-G2-EU, EVOLVE50M-SW-G2 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: www.electrovoice.com

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12.5.3 Regulatory notice for CE - Information concerning the use of the apparatus

This equipment has been tested and found to be compliant with class B emission limits. The electromagnetic disturbance generated does not exceed the level above which radio and telecommunications equipment or other equipment cannot operate as intended. This means that there are no restrictions for usage in residential and commercial environments.

12.5.4 Certifications

Brazil:

Após uma perturbação da rede elétrica, o EVOLVE G2 / EVOLVE M G2 pode entrar em estado de segurança. Neste caso, você deve desligar e ligar o dispositivo novamente.
Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.
Este equipamento deve ser conectado obrigatoriamente em tomada de rede de energia elétrica que possua aterramento (três pinos), conforme a Norma de instalações elétricas ABNT NBR 5410, visando a segurança dos usuários contra choques elétricos.
Incorpora produto homologado pela ANATEL sob número 01000-24-07826.
Para mais informações, consulte o site da ANATEL: www.anatel.gov.br.

12.5.5 Notices

Copyright and disclaimer

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Notice!

To report security vulnerability use this link: https://psirt.bosch.com/report-a-vulnerability/

Bluetooth®

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Radio information

This loudspeaker contains intentionally emitting radio waves in the 2.4Ghz frequency band (2,400 MHz to 2483.5 MHz) with a transmit power of 7 dBm +/- 1 dB EIRP. The system uses one antenna with a gain of 1dBi +/- 1dB.

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Importers

China

ELECTRO VOICE DYNACORD (Shanghai) Electronic Systems Co., Ltd.
333 Fuquan Road North IBP
Changning District Shanghai
200335 P.R. China

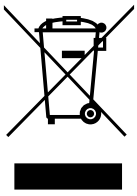
艺威大地（上海）电子系统有限公司
上海市长宁区虹桥临空经济园区，福泉北路333号

Mexico

KEENFINITY, S.A. de C.V.
Calle Robert Bosch No. Ext. 405
C.P.50071
Zona industrial Toluca
Mexico
Phone: +52 722 279 2300

Disposal

Old electrical and electronic equipment

	This product and/or battery must be disposed of separately from household waste. Dispose such equipment according to local laws and regulations, to allow their reuse and/or recycling. This will help in conserving resources, and in protecting human health and the environment.

For use in France: Sorting Info label (Info-tri)

More information

For additional regulatory and country-specific certification information, refer to the column loudspeaker system's LCD screens.

To find additional regulatory and country-specific certification information:

1. Navigate to the **IMPRINT & LICENSE** section in the main DSP menu.
2. Press the encoder.
3. Select **License Text**.
4. Press the encoder.
5. Select **Legal pg1**.
6. Press the encoder.
7. Select **Legal pg2**.
8. Press the encoder.

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9. Select **EXIT**.

Download the Electro-Voice QuickSmart Mobile app for iOS and Android. Ensure that the loudspeaker's firmware is up to date for the most recent legal and regulatory information.

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