

## 8 Troubleshooting

| Problem                                               | Possible Cause(s)                                                  | Action                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. No sound                                           | Improper gain                                                      | Verify all the sources are on. If the source is a condenser microphone, make sure the mic is plugged into <b>INPUT 1</b> via XLR and phantom power is enabled in the menu. Inspect the VU meters on LCD or in the app. If there is signal present on the VU meters, increase the input and gain controls to the required level. If there is no signal present on the VU meters, then check the wiring. |
|                                                       | Sources not connected                                              | Check all cables between the source and the loudspeaker with a multimeter or cable tester. Replace any suspect cables with a known good cable.                                                                                                                                                                                                                                                         |
| 2. Poor Low-Frequency Response                        | With <b>SUB</b> menu cross-over frequency activated                | If no subwoofers are used with the system, select the <b>OFF</b> position.                                                                                                                                                                                                                                                                                                                             |
|                                                       | <b>SPEECH</b> mode is active                                       | In the DSP control menu, change the <b>MODE</b> to <b>MUSIC</b> , <b>LIVE</b> , or <b>CLUB</b> . Refer to <i>DSP controls, page 33</i> for more details.                                                                                                                                                                                                                                               |
|                                                       | Input <b>PRESET</b> is not set to <b>FLAT</b>                      | In the INPUT DSP control menu, change <b>PRESET</b> to <b>FLAT</b> . Refer to <i>INPUT DSP control menu, page 45</i> for more details.                                                                                                                                                                                                                                                                 |
|                                                       | <b>EQ</b> is active                                                | In the INPUT and DSP control menu, reset all EQs in the low frequencies. Refer to <i>DSP controls, page 33</i> and <i>INPUT DSP control menu, page 45</i> for more details.                                                                                                                                                                                                                            |
| 3. Intermittent output such as cracking or distortion | Faulty connection                                                  | Check all connections at loudspeaker to ensure they are all clean and tight. If the problem persists, check the wiring. See problem 1.                                                                                                                                                                                                                                                                 |
| 4. 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.                                                                                                                                                                                                                                                                                                                                                   |
|                                                       | Input gain is not at a microphone level.                           | Slowly increase the INPUT LEVEL to engage the microphone pre-amp.                                                                                                                                                                                                                                                                                                                                      |
|                                                       | Mobile device is connected via USB and 3.5 mm jack simultaneously. | Some mobile devices, such as laptops and mobile phones, may introduce ground loops if the loudspeaker is charging the mobile device while simultaneously connected via the 3.5 mm audio input jack. Connect the audio via Bluetooth®, or disconnect from the USB jack.                                                                                                                                 |

| Problem                                                                                      | Possible Cause(s)                                                                           | Action                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. No sound produced with microphone connected to <b>INPUT 1</b> or <b>INPUT 2</b>           | Microphone requires phantom power.                                                          | Use a dynamic microphone that does not require phantom power. If using a microphone requiring phantom power, connect it to <b>INPUT 1</b> via the XLR connector and enable phantom power. Refer to <i>INPUT DSP control menu, page 45</i> for more details.                                                                                                                                                   |
|                                                                                              | Input gain is too low                                                                       | Slowly increase the input gain knob level to engage the microphone pre-amp.                                                                                                                                                                                                                                                                                                                                   |
| 6. Sound is distorted, front <b>LED</b> is <b>OFF</b> , LCD screen <b>LIMIT</b> is <b>ON</b> | Excessive <b>INPUT LEVEL</b>                                                                | Reduce the <b>INPUT LEVEL</b> or loudspeaker level knobs 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 <b>LIMIT</b> , the input or source level is too high.                                                                                                                                                                                     |
| 7. Microphone produces acoustic feedback when <b>INPUT LEVEL</b> is amplified                | Automatic Feedback Suppression is <b>OFF</b>                                                | Enable Automatic Feedback Suppression in the DSP Control menu. Refer to <i>DSP controls, page 33</i> for more details.                                                                                                                                                                                                                                                                                        |
|                                                                                              | Incorrect gain structure                                                                    | Reduce the microphone levels at the mixing console or input source. If the microphone is connected directly to the loudspeaker, reduce the <b>INPUT LEVEL</b> on the loudspeaker. Positioning the microphone close to the sound source increases gain-before-feedback. See problem 6.                                                                                                                         |
|                                                                                              | <b>MODE</b> is set to <b>MUSIC</b>                                                          | Change the <b>MODE</b> to <b>LIVE</b> or <b>SPEECH</b> .                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                              | Microphone position is too close to the front of the loudspeaker                            | Whenever possible setup the loudspeakers so the microphone is behind them. If using the loudspeaker in a monitor position, aim the loudspeaker to the back of the microphone.                                                                                                                                                                                                                                 |
| 8. DSP control menu is locked                                                                | The menu <b>LOCK</b> function has been turned on. A lock symbol displays on the LCD screen. | Press the <b>MASTER VOL</b> knob or input selection soft keys to unlock.                                                                                                                                                                                                                                                                                                                                      |
| 9. 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. |

| Problem                                                                                                                 | Possible Cause(s)                     | Action                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10. No reaction of loudspeaker to user interaction or power cycles                                                      | Unforeseen internal operation failure | Remove mains and battery, put battery back into loudspeaker.<br>Or<br>Press and hold soft key for <b>INPUT 1</b> and <b>INPUT 2</b> for at least 10 seconds. |
| If these suggestions do not solve your problem, contact your nearest Electro-Voice dealer or Electro-Voice distributor. |                                       |                                                                                                                                                              |

PRELIMINARY

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9 Technical data

1) Full space measurement using music DSP preset.  
2) Half-space measurement  
3) Maximum SPL is measured at 1 m using broadband pink noise at maximum output  
4) Current rating is 1/8 power  
5) Maximum output before loudspeaker limit indication, with typical program material  
6) Moderate output with typical program material

|                                                  | EVERSE 8                                                                                                   | EVERSE 12                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Frequency response (-3 dB) <sup>1</sup> :        | 60 Hz to 20 kHz                                                                                            | 55 Hz to 18 kHz                                                                                            |
| Frequency range (-10 dB) <sup>2</sup> :          | 50 Hz to 20 kHz                                                                                            | 45 Hz to 20 kHz                                                                                            |
| Max. SPL <sup>3</sup> :                          | 121 dB                                                                                                     | 126 dB                                                                                                     |
| Coverage angle (H x V):                          | 100° x 100°                                                                                                | 100° x 60°                                                                                                 |
| Amplifier rating:                                | 400 W                                                                                                      | 400 W                                                                                                      |
| LF transducer:                                   | 8 in. woofer - ferrite magnet                                                                              | 12 in. woofer - ferrite magnet                                                                             |
| HF transducer:                                   | 1-inch titanium dome, neodymium magnet, ferro-fluid cooled                                                 | 1-inch diaphragm, titanium compression driver, ferrite magnet                                              |
| Crossover frequency:                             | 2.5 kHz                                                                                                    | 2.0 kHz                                                                                                    |
| Connectors:                                      | 2 - XLR/TRS Combo<br>1 - 3.5mm Stereo<br>1 - Charge port<br>1 - TRS footswitch<br>1 - 12 V DC power output | 2 - XLR/TRS Combo<br>1 - 3.5mm Stereo<br>1 - Charge port<br>1 - TRS footswitch<br>1 - 12 V DC power output |
| Enclosure:                                       | Polypropylene                                                                                              | Polypropylene                                                                                              |
| Grille material:                                 | Powder coated steel                                                                                        | Powder coated steel                                                                                        |
| USB charging:                                    | 1.5 A max., device-dependent                                                                               | 1.5 A max., device-dependent                                                                               |
| Color:                                           | Black & white                                                                                              | Black                                                                                                      |
| Dimensions (H x W x D):                          | 400 mm x 275 mm x 272 mm<br>15.75 in. x 10.83 in. x 10.71 in.                                              | 597 mm x 345 mm x 347 mm<br>23.50 in. x 13.58 in. x 13.66 in.                                              |
| Net weight:                                      | 7.6 kg<br>16.8 lb                                                                                          | 13.5 kg<br>29.8 lb                                                                                         |
| Shipping weight:                                 | 11.0 kg<br>24.3 lb                                                                                         | 15.6 kg<br>34.4 lb                                                                                         |
| Power consumption <sup>4</sup> :                 | 100 - 240 V~, 50 - 60 Hz, 0.8 - 0.6 A                                                                      | 100 - 240 V~, 50 - 60 Hz, 0.8 - 0.6 A                                                                      |
| Battery capacity:                                | 86.4 Wh                                                                                                    | 86.4 Wh                                                                                                    |
| Battery run time (at max. output) <sup>5</sup> : | 6+ hours                                                                                                   | 6+ hours                                                                                                   |
| Battery run time <sup>6</sup> (at 95 dB SPL):    | 12+ hours                                                                                                  |                                                                                                            |
| Battery run time <sup>6</sup> (at 100 dB SPL):   |                                                                                                            | 12+ hours                                                                                                  |

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10.1

Appendices  
Effects (FX) list

Note: Subject to  
change without  
notice

| Number | Name App                 | Name LCD          |
|--------|--------------------------|-------------------|
| 0      | OFF                      | OFF               |
| 1      | Echo+ReverbShort         | ECHO+REVERB S     |
| 2      | Reverb Room              | REV ROOM          |
| 3      | Reverb Concert Hall      | REV CONCERT       |
| 4      | Reverb Large Hall        | REV HALL          |
| 5      | Reverb Church            | REV CHURCH        |
| 6      | Reverb Room Soft         | REV ROOM S        |
| 7      | Reverb Concert Hall Soft | REV CONCERT S     |
| 8      | Reverb Large Hall Soft   | REV HALL S        |
| 9      | Reverb Church Soft       | REV CHURCH S      |
| 10     | Reverb Cathedral Soft    | REV CATHEDRAL S   |
| 11     | Reverb Plate Medium      | PLATE MEDIUM      |
| 12     | Reverb Plate Long        | PLATE LONG        |
| 13     | Reverb Plate Medium Soft | PLATE MEDIUM S    |
| 14     | Reverb Plate Long Soft   | PLATE LONG S      |
| 15     | Reverb+ChorusSlow        | REV+CHORUS SLOW   |
| 16     | Reverb+ChorusMedium      | REV+CHORUS MEDIUM |
| 17     | Reverb+ChorusFast        | REV+CHORUS FAST   |
| 18     | Delay Short              | DELAY SHORT       |
| 19     | Delay Long               | DELAY LONG        |
| 20     | Delay Tap                | DELAY TAP         |
| 21     | Chorus Slow              | CHORUS SLOW       |
| 22     | Chorus Medium            | CHORUS MEDIUM     |
| 23     | Chorus Fast              | CHORUS FAST       |
| 24     | Chorus+Echo Slow         | CHORUS+ECHO S     |
| 25     | Chorus+EchoMedium        | CHORUS+ECHO M     |
| 26     | Chorus+Echo Fast         | CHORUS+ECHO F     |
| 27     | Slap Back+EchoSlow       | SLAPBACK+ECHO S   |
| 28     | Slap Back+EchoFast       | SLAPBACK+ECHO F   |
| 29     | Doubling Narrow          | DOUBLING NARROW   |
| 30     | Doubling Wide            | DOUBLING WIDE     |

PRELIMINARY

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