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 **INPUT 1** 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 **SUB** menu cross-over frequency activated	If no subwoofers are used with the system, select the **OFF** position.
	SPEECH mode is active	In the DSP control menu, change the **MODE** to **MUSIC**, **LIVE**, or **CLUB**. Refer to *DSP controls, page 33* for more details.
	Input **PRESET** is not set to **FLAT**	In the INPUT DSP control menu, change **PRESET** to **FLAT**. Refer to *INPUT DSP control menu, page 45* for more details.
	EQ is active	In the INPUT and DSP control menu, reset all EQs in the low frequencies. Refer to *DSP controls, page 33* and *INPUT DSP control menu, page 45* 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.

PRELIMINARY

Problem	Possible Cause(s)	Action
5. No sound produced with microphone connected to **INPUT 1** or **INPUT 2**	Microphone requires phantom power.	Use a dynamic microphone that does not require phantom power. If using a microphone requiring phantom power, connect it to **INPUT 1** via the XLR connector and enable phantom power. Refer to *INPUT DSP control menu, page 45* 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 **LED** is **OFF**, LCD screen **LIMIT** is **ON**	Excessive **INPUT LEVEL**	Reduce the **INPUT LEVEL** 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 **LIMIT**, the input or source level is too high.
7. Microphone produces acoustic feedback when **INPUT LEVEL** is amplified	Automatic Feedback Suppression is **OFF**	Enable Automatic Feedback Suppression in the DSP Control menu. Refer to *DSP controls, page 33* 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 **INPUT LEVEL** on the loudspeaker. Positioning the microphone close to the sound source increases gain-before-feedback. See problem 6.
	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 the loudspeaker in a monitor position, aim the loudspeaker to the back of the microphone.
8. DSP control menu is locked	The menu **LOCK** function has been turned on. A lock symbol displays on the LCD screen.	Press the **MASTER VOL** 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.

PRELIMINARY

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

PRELIMINARY

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)[1]:	60 Hz to 20 kHz	55 Hz to 18 kHz
Frequency range (-10 dB)[2]:	50 Hz to 20 kHz	45 Hz to 20 kHz
Max. SPL[3]:	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 1 - 3.5mm Stereo 1 - Charge port 1 - TRS footswitch 1 - 12 V DC power output	2 - XLR/TRS Combo 1 - 3.5mm Stereo 1 - Charge port 1 - TRS footswitch 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 15.75 in. x 10.83 in. x 10.71 in.	597 mm x 345 mm x 347 mm 23.50 in. x 13.58 in. x 13.66 in.
Net weight:	7.6 kg 16.8 lb	13.5 kg 29.8 lb
Shipping weight:	11.0 kg 24.3 lb	15.6 kg 34.4 lb
Power consumption[4]:	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)[5]:	6+ hours	6+ hours
Battery run time[6] (at 95 dB SPL):	12+ hours	
Battery run time[6] (at 100 dB SPL):		12+ hours

PRELIMINARY

10 Appendices

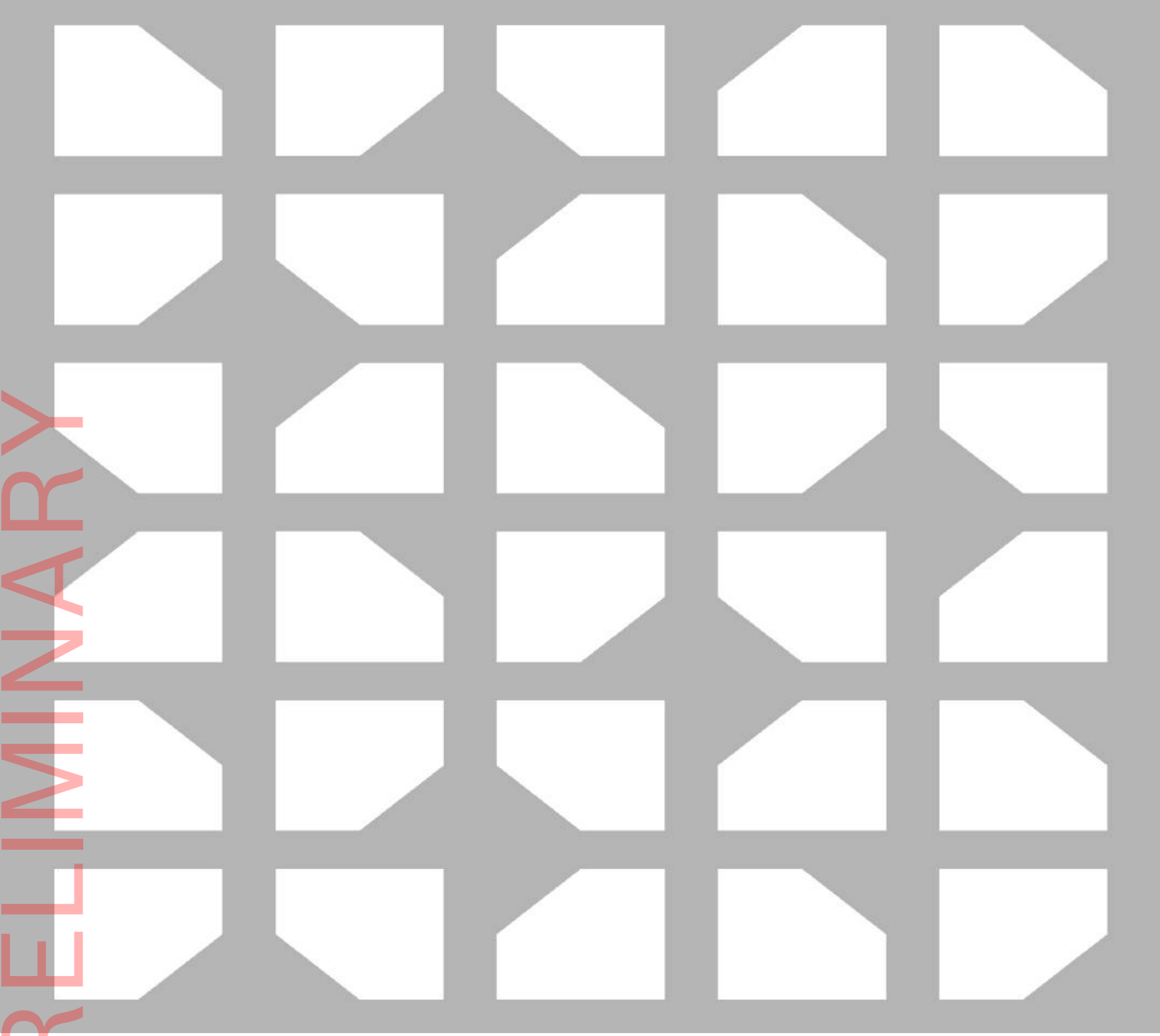
10.1 Effects (FX) list

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

PRELIMINARY



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