

# F-SERIES

PROFESSIONAL LOUDSPEAKER



## F-12 INSTALLATION / PORTABLE LOUDSPEAKER SYSTEM

The F-12 has one powerful 12" (304 mm) LF driver with 1.45" (37 mm) HF. It is a high-performance, versatile, passive speaker system designed for unmatched sound reinforcement. Featuring a passive crossover, two-way full-range configuration, it is ideal for install & portable use including Main FoH, Night Clubs, lounges, Multipurpose Hall, Live Setup etc. With flat frequency response, the cabinet offers uncoloured, transparent sound quality. Crafted from high density plywood, it is suitable for both installation and portable use. The cabinet's design emphasizes vocal clarity, fidelity, and minimal distortion without compromising transient response.



### Key Highlights

- Premium Wooden Finish for Acoustic and Aesthetic Excellence
- Powerful 12" Woofer with Precision 1.45" HF Driver
- Designed for Easy Setup and Multiple Mounting Configuration
- 90°(H) x 50 °(V) Wide Dispersion Horn design

### System Applications

- Lounge
- Pub/Bar
- Multi-functional room
- Live portable setup
- Night Clubs



Top View



Bottom View



Side View



Front View



Rear View



### Technical Specifications

Type	Two-way full range passive loudspeaker
Frequency Response (-10 dB)	55 Hz – 19 kHz
LF Drivers	1x 12" (304 mm) LF Driver with 3" Voice coil
HF Drivers	1 x 1.45" (37 mm) HF Driver
RMS Power	400W
Program Power	800W
Peak Power	1600W
Sensitivity (1W/1m)	97 dB
Max SPL (Continuous/1m)	126 dB
Max SPL (Peak/1m)	129 dB
Nominal Impedance	8 Ω (typical)
Crossover Mode	Passive, optimized for linearity
Dispersion	90°(H) x 50°(V)
Cabinet Material	High density multi-layer plywood
Size (mm)	600 x 398 x 365mm (H x W x D)
Weight (Kg)/Lbs	25/55.1

### Safety Instructions

- When flying speakers, appropriate hardware and techniques must be employed for safely suspending the enclosures.
- All speaker hardware and flying apparatus must be regularly inspected for any visual or mechanical failure.
- Leave adequate distance between speakers and the audience. Refer to your local authority for Health and Safety guidance when using loudspeaker systems.
- The Louis Martin digital controller should only be programmed by an authorized technician. Do not use Louis loudspeaker systems without the correct controller and the program. If a system fails due to incorrect controller use, warranty is void.
- Protect your speakers and electronics from exposure to humidity, water or rain.
- The loudspeakers and electronics are covered against defects in workmanship or materials for a period of two years from the original date of purchase. The warranty does not cover any item which in Louis’s opinion has failed due to user abuse, accident, modifications.
- The defective item will be repaired/replaced with no charge for materials or labour. However, the item should be adequately packed and dispatched, pre-paid, to a Louis authorized distributor/service