

PRODUCT

EXL250

DESCRIPTION

COMPLETE LIGHTWEIGHT PORTABLE PA SYSTEM

SERIES

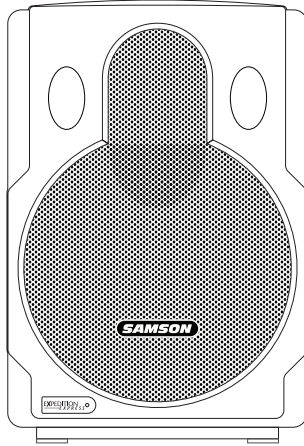
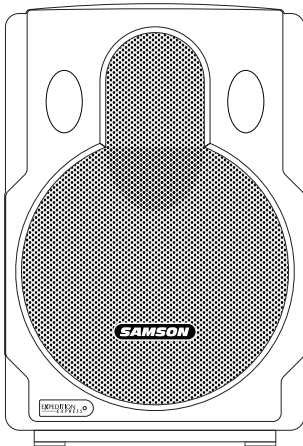
EXPEDITION

CATEGORY

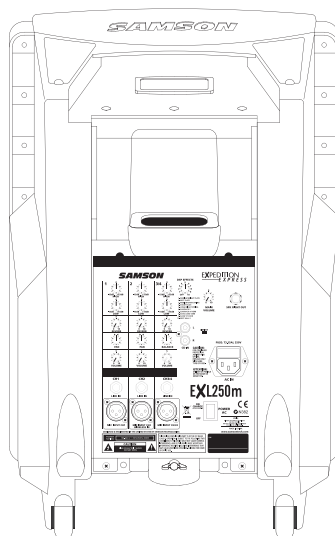
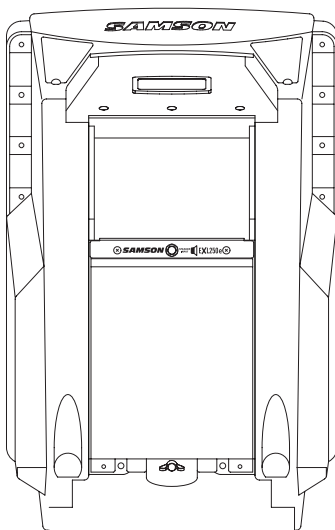
PORTABLE PA



FRONT PANELS



BACK PANELS



E BACK PANEL

M BACK PANEL

GENERAL DESCRIPTION

Expedition Express is a total professional sound solution, made portable. It gives you everything you need to make a professional presentation anywhere you can roll it.

Expedition Express is ideal for performers on the move. Bands, mobile DJs, schools, houses of worship, corporate A/V and institutional applications – anywhere portable, high-quality sound is required.

The system is comprised of a pair of rugged, acoustically balanced two-way loudspeakers, a 4-channel mixer with 24-bit DSP, an iPod® dock, a powerful 250 watt amplifier and all the accessories you need. What's more, the system interlocks, and packs up into a single rolling unit so it's easy to transport.

Expedition Express includes a professional dynamic microphone, mic clip, mic cable, extension speaker cable and protective ballistic nylon cases.

The Expedition Express combines a powered speaker with built-in amplification and controls, and a lightweight second speaker or "slave". When set up for performance, the two cabinets are connected by a single cable. When they are packed for the road, the lightweight passive speaker cabinet locks into the top of the amplified speaker cabinet with a unique auto-locate mechanism. Each loudspeaker is housed in a lightweight, yet heavy-duty, molded resin cabinet with extensive internal bracing to give it rigidity, low resonance and the maximum possible volume.

The Expedition Express's integrated class D amplifier is perfectly matched to the drivers for surprisingly high efficiency and low current draw. Built-in 24-bit digital signal processing (DSP) adds dramatic pro-quality effects like reverb and echo at the flip of a switch. Selecting from ten preset effects makes getting great sound easy and fast.

Like Samson's Expedition Pro enclosures, the Express features custom designed high and low frequency drivers. The high frequency section employs an elliptical waveguide horn that offers extra wide dispersion for maximum coverage.

With molded-in handle and wheels, you can roll the cabinet anywhere you want. This makes Expedition Express ideal for boardrooms, classrooms and fitness studios, either as a portable speaker or mobile all-in-one sound system.

PRODUCT SPECIFICATION SHEET

EXL250

SERIES
EXPEDITION

DESCRIPTION
COMPLETE LIGHTWEIGHT PORTABLE PA SYSTEM

CATEGORY
PORTABLE PA

FEATURES

- > Custom designed, heavy-duty, 12-inch low frequency driver with 1.5-inch voice coil
- > Integrated iPod® dock
- > 1.5-inch titanium compression driver with 1-inch exit
- > 250 watts of high-quality, lightweight class D stereo power (125 watts per side)
- > Built-in 4-channel stereo mixer with studio-quality 24-bit DSP effects
- > Includes R21 dynamic microphone, mic clip, mic cable, speaker cable, storage bags, and slip cover
- > Durable high-impact polypropylene cabinet with scuff-resistant textured finish
- > Integral 1 3/8-inch pole-mount receptacle
- > Heavy-duty steel grill
- > System packs into a single rolling unit for easy transport
- > Operates on AC Power or with the optional RB2030 Rechargeable Battery
- > Compatible with Samson Wireless Micro Systems

ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The XPL250 also named the expedition express shall be 2- 2 way PCV plastic speaker cabinets to be used as a portable public address system. One cabinet houses the amplifier with speakers and the other houses just speakers. They shall be dark gray and have metal mesh grills. The amplifier cabinet shall have 2 125 watt class D power amplifiers. They shall have 12 inch woofers for low frequencies and each will have a one inch compression drivers for high frequencies. The amplifier cabinet shall have a mixer built into the rear of the unit. The mixer shall have 2 Mic / line channels with XLR and 1/4 inch inputs and a stereo line / mono mic channel. All channels shall have controls for volume, pan/balance, reverb send, and high and low frequency equalizers. There shall be 24 bit digital effects with 10 presets. There shall also be RCA inputs for channel 3/4. The main section shall have a main volume control. It shall have a 1/4 inch speaker output to feed the slave cabinet. Each cabinet shall have a 1-3/8th inch receptacle on the bottom for pole mounting. The amplifier cabinet shall have wheels on the bottom and a latch for on top so the 2 cabinets snap together for easy transport. The Expedition express shall come supplied with a speaker cable for connecting the 2 cabinets together, a mic cable and mic clip in a connected pouch on the passive cabinet. The EXL250 shall come with nylon protective covers. A standard IEC connector and cable will be supplied for connection to AC power sources.

EXL250 SPECIFICATIONS

Power Rating: (@8 ohms)	250 Watts Program
Frequency Response	60Hz – 15kHz + - 3dB
Sensitivity	97dB SPL @ 1W/1m
Crossover Frequency	2.3kHz (12dB per Octave)
LF Driver	12" heavy-duty driver, 2.5" voice coil (Kapton Former), 50oz. Barium ferrite magnet
HF Driver	1" titanium compression driver
Stereo Mixer Section:	
Inputs	2 Mic/Line w/ Mic XLR
Frequency Response	10Hz – 50kHz
Crosstalk	70dB @ 1kHz
Equalization Frequencies	100Hz (Low), 10kHz (High)
Effects	24bit w/10 presets
Mounting	Integral 1- 3/8" Pole Mount Receptacle, Fly Points
Dimensions (H x W x D)	21-1/4" x 14-5/8" x 17-3/8" 539mm x 371mm X 441mm
Weight	
XPL250e	28.5lbs. 12.9kg.
XPL250m	38.5lbs. 17.5kg.

