

# KEYER LM26

## 2 IN 6 OUT LOUDSPEAKER MANAGEMENT SYSTEM



### Overview

The Erthpot Keyer LM26 is a versatile digital speaker management system designed for professional audio environments. Featuring an interactive LCD display and an intuitive GUI interface, it allows for fast, precise control of speaker parameters.

Equipped with a high-performance 512-tap custom FIR filter, the LM26 ensures stable, linear phase audio processing. It offers flexible input/output channel duplication, channel binding, and supports multiple scene save and recall options for quick setup adjustments.

Its user-friendly front panel includes a rotary encoder for effortless navigation and control. Ideal for live sound applications, theatres, nightclubs, concert halls, and other professional venues, the Keyer LM26 integrates seamlessly with other Erthpot audio systems to adapt to a wide range of demanding audio scenarios.

## Key Features

- Supports multiple analog signal inputs and outputs for flexible multi-speaker management.
- Built-in high-performance DSP chip with 24-bit/48kHz processing and premium A/D, D/A converters.
- Interactive LCD display with an intuitive, quick-access embedded GUI interface.
- Stable, linear-phase 512-tap custom FIR filter with third-party FIR parameter import support.
- Graphical interface display for precise filter control and real-time adjustments.

## Technical Specifications

INPUT INTERFACES	2 Analog
OUTPUT INTERFACES	6 Analog
DISPLAY	Embedded GUI interface, quick adjustment of parameters
CONTROL INTERFACES	1 RJ45 interface, 1 RS232 interface, 1 USB Type B
INPUT CHANNEL	Functional module: Mute, Gain, Delay (0-180ms), 31-band Graphic Equalizer, Expander, Compressor. Physical interface: Balanced XLR female connectors.
OUTPUT CHANNEL	Functional module: Delay (0-60ms), Crossover, 15-band Parametric Equalizer (filter type selectable Low Shelf, High Shelf), Gain, Mute, Limiter, Phase. Physical interface: Balanced XLR male connectors.
INPUT IMPEDANCE	Balanced: 20K $\Omega$
OUTPUT IMPEDANCE	Balanced: 100 $\Omega$
FREQUENCY RESPONSE	20Hz~20KHz, $\pm 0.2$ dB
NOISE FLOOR	-90dBu
THD+N	$\leq 0.002\%$ @1kHz, +4dBu
CHANNEL ISOLATION	105dB@1kHz, 4dBu
INPUT RANGE	$\leq +20$ dBu (A-Weighting)
CROSSOVER	Three types of high and low pass filters: Butterworth, Bessel and Link Witz-Riley
EQUALIZER	Parametric Equalizer: Frequency: 20 to 20kHz, Gain: -15 to +15dB, Bandwidth: 0.05 to 4. Graphic Equalizer: Frequency: 20~20kHz, Gain: -15~+15dB.
MAXIMUM OUTPUT LEVEL	20dBu
MAXIMUM INPUT LEVEL	20dBu

## Functions

- Input channels feature Mute, Gain, Delay (0-180ms), 31-band Graphic EQ, Expander, Compressor, and Mixer.
- Output channels include Delay (0-60ms), Crossover with multiple filter types and slopes, 15-band Parametric EQ, Gain, Mute, Limiter, and Phase control.
- Professional Windows control software via USB or RJ45 for device management and settings.
- Software supports multi-device management with flexible routing and control.
- Supports input/output channel copy and binding functions.
- Allows multi-scene saving, recall, import, and export functions.
- User-friendly rotary encoder panel switch for intuitive menu navigation.
- Equipped with bidirectional RS232 and standard Ethernet control interfaces with open protocol support.

WORKING VOLTAGE	AC 110V~220V, 50Hz/60Hz
MAXIMUM POWER	20W
WORKING TEMPERATURE AND HUMIDITY	-10°C~50°C, 10%~90%RH, No condensation
CHASSIS	1U
PRODUCT DIMENSION (L×W×H)	486mm×208mm×44mm
NET WEIGHT	2.5kg
PACKAGE DIMENSION (L×W×H)	590mm×430mm×110mm
PACKAGE WEIGHT	3kg



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