

PRODUCT OVERVIEW



INTRODUCTION

TASCAM's popular LA-40mkIII offers four channels of bi-directional balancing and unbalancing for installation, studio, and broadcast applications. The ± 12 dB trim controls provide perfect level matching between components. Signal present LEDs make system design and troubleshooting simple. The unit is packaged in a black rack case with standard chassis depth for easier wiring.

The LA-40mkIII proves ideal for source audio racks that need to transfer long distances, or for recording systems that mix unbalanced and balanced equipment. Ideal for integrating semi-pro and AV equipment to professional systems, the LA-40mkIII provides TASCAM's impressive audio specifications and legendary reliability.

FEATURES

- Unbalanced connectors: RCA
- Balanced connectors: XLR
- Trim control for fine level adjustment of ± 12 dB
- Signal Present LED per channel
- Balanced I/O level: $+4$ dBu/ -20 dBu, selectable per channel
- Unbalanced I/O level: -10 dBV
- Ground Lift switch per channel
- All Lift Switch disables ground connections for entire unit
- Earth terminal
- Dimensions: 19" W x 1.74" H x 11" D (482 x 44 x 280 mm)
- Weight: 6.6lbs (3 kg)

SPECIFICATIONS

Audio inputs and outputs

Inputs (4 unbalanced RCA pin jacks)

Input impedance:

23 k Ω (INPUT LINK switches OFF)

2.8 k Ω (INPUT LINK switches ON)

Nominal input level: -10 dBV \pm 1 dB

Maximum input level: +4.8 dBV

Indicator detection level (unbalanced input): -38 dBV or more (OUTPUT LEVEL switch set to +4 dB or -20 dB)

Inputs (4 balanced XLR type connectors)

(Connector holes: 1 = ground, 2 = hot, 3 = cold)

Input impedance:

54 k Ω (INPUT LINK switches OFF)

6.7 k Ω (INPUT LINK switches ON)

Nominal input level:

+4 dBu \pm 1 dB (INPUT LEVEL set to +4 dB)

-20 dBu \pm 1 dB (INPUT LEVEL set to -20 dB)

Maximum input level:

+30 dBu (INPUT LEVEL set to +4 dB)

+8 dBu (INPUT LEVEL set to -20 dB)

Indicator detection level:

-24 dBu or more (INPUT LEVEL set to +4 dB)

-48 dBu or more (INPUT LEVEL set to -20 dB)

Outputs (4 balanced XLR type connectors)

(Connector holes: 1 = ground, 2 = hot, 3 = cold)

Output impedance: 94 Ω

Nominal load impedance: 10k Ω

Minimum load impedance: 600 Ω

Nominal output level:

+4 dBu \pm 1 dB (OUTPUT LEVEL set to +4 dB)

-20 dBu \pm 1 dB (OUTPUT LEVEL set to -20 dB)

Maximum output level: +23 dBu

Outputs (4 unbalanced RCA pin jacks)

Output impedance: 200 Ω

Nominal load impedance: 10 k Ω

Minimum load impedance: 1 k Ω

Nominal output level: -10 dBV \pm 1 dB

Maximum output level: +18 dBV

Audio performance

TRIM range: \pm 12 dB

S/N ratio (nominal input and output level)

A-weighting filter + 20 kHz LPF: 90 dB (OUTPUT LEVEL switch set to +4 dB)

20 Hz HPF + 20 kHz LPF: 87 dB (OUTPUT LEVEL switch set to +4 dB)

Total harmonic distortion: 0.007% or less (1 kHz, nominal input and output level)

Frequency response: 20 Hz-100 kHz \pm 3 dB (nominal input and output level)

Crosstalk: -90 dB or more (1kHz, nominal input and output level, terminated with a 600 Ω load)

General / Power supply

AC: 120-240V, 50-60 Hz

Power consumption: 6 W

Dimensions (W x H x D): 19" x 1.73" x 11" (481 x 44 x 280mm)

Weight: 6.6 lbs. (3 kg)