

Preamps

2A37, 2A40, 2A45



Overview

The Edwards Model 2A40 Dual Stereo Summing Input Module provides auxiliary level inputs to any Edwards modular audio component from two stereo sources (left and right). The module is 2.8 inches (7.1 cm) high by 2.9 inches (7.4 cm) wide by 4.8 inches (12.2 cm) deep and weighs 12.5 ounces (354 g).

The Edwards Model 2A45 Dual Input Module is a dual input, dual level, auxiliary input module, and provides selectable gain (1V or 0.1V) on each input. The module is 3 inches (7.6 cm) wide by 3 inches (7.6 cm) high and 5-1/4 inches (13.3 cm) deep, and weighs 12.5 ounces (354 g).

Standard Features

2A37 Input Module

- Excellent frequency response
- Dual input module
- Selectable inputs
- Low frequency roll-off
- Made in USA

2A40 Dual Stereo Summing Input Module

- Excellent frequency response
- Dual stereo inputs
- Made in the United States

2A45 Dual Input Module

- Selectable gain
- Excellent frequency response
- Dual input module
- Made in USA

Engineers' Specification

2A37 Dual Input Module

The dual input module shall be the Edwards Model 2A37 or an approved equal. The module shall provide two inputs, each selectable for low impedance (transformer isolated) microphone or auxiliary.

The signal-to-noise ratio (based on 70V output of Edwards mixer/amplifiers, 20Hz to 20,000Hz bandwidth limited) shall be at least 60dB for microphones and 65dB for auxiliaries. The frequency response shall be 20Hz to 20,000Hz, plus or minus 1dB.

The module microphone gain shall be 45dB (nominal) and the module shall have a sensitivity of 300 microvolts. The source impedance for the microphone input shall be 150 ohms to 200 ohms and the auxiliary source impedance shall be 10k ohms. The microphone input connection shall be a screw terminal type and the auxiliary input connectors shall be RCA pin jacks.

Each microphone input shall have a selection switch for low frequency roll-off of 320Hz at a 6dB/octave rate. Two additional switches shall be provided for input selection.

The module power consumption shall be +/-15Vdc (regulated) at 10mA. The module shall be 3 inches (7.6 cm) wide by 3 inches (7.6 cm) high and 5-1/4 inches (13.4 cm) deep, and shall weigh 10.5 ounces (297.7 g).

2A40 Dual Input Module

The dual input module shall be Edwards Model 2A40 or approved equal. The module shall be a dual stereo summing input module providing auxiliary level inputs to any Edwards modular audio component from two stereo sources (left and right). Each stereo pair shall have a sensitivity of 500mV, with an input impedance of 100k Ohms. The frequency response shall be 20Hz-20kHz +/- 1dB, and the signal to noise ratio (20Hz-20kHz band width limited) shall be at least 75dB. The input connectors shall be RCA phono jacks. The module shall operate from a +/- 15Vdc supply. The module shall be 2.8 inches (7.1 cm) high by 2.9 inches (7.4 cm) wide by 4.8 inches (12.2 cm) deep, and weigh 12.5 ounces (358 g).

2A45 Dual Input Module

The dual input module shall be Edwards Model 2A45 or an approved equal. The module shall provide two auxiliary inputs. The gain for both inputs shall be selectable from either -25dB or -5dB. The input sensitivity shall be 1V or 0.1V on both inputs. The frequency response of both inputs shall be 20Hz to 20,000Hz, plus or minus 1dB. The signal-to-noise ratio (20Hz to 20,000Hz bandwidth limited) shall be at least 75dB. The source impedance of both inputs shall be at least 10k ohms. Input connectors shall be screw terminals. The load

impedance of both outputs shall be 5k ohms. The module shall operate from +/-15Vdc (regulated) at 10mA. The module shall be 3 inches (7.6 cm) wide by 3 inches (7.6 cm) high and 5-1/4 inches (13.3 cm) deep, and shall weigh 12.5 ounces (354 g).

Specifications

Model 2A37

Microphone Gain (nominal)	45dB
Inputs	Two selectable microphone/auxiliary
Input Sensitivity	Microphone input: 300 microvolts Auxiliary input: 0.1V or 1V
Input Terminations	Screw terminals for microphones, RCA pin jacks for auxiliary
Frequency Response	20Hz to 20,000Hz, +/-1dB
Signal-to-noise Ratio	Microphones: +/- 60dB Auxiliaries: +/- 65dB

Model 2A37

Source Impedance	Microphone: 150 Ohms to 200 Ohms, transformer-isolated Auxiliary: 10k Ohms
Selectable Frequency Roll-off	Flat or 320Hz at 6dB/octave roll-off
DC Power/Current	+/-15Vdc @ 10mA
Switches	Two input selection, two low-frequency roll-off
Dimensions	3" (7.6 cm) wide by 3" (7.6 cm) high and 5-1/4" (13.4 cm) deep
Weight	10.5 oz (297.7 g)
Finish	Charcoal-gray baked enamel on faceplate
Load Impedance	10k Ohms

2A40 Dual Stereo Summing Input Module

Input Sensitivity	500mV
Frequency Response	20Hz–20kHz, +/- 1dB
Inputs	input 1 left / right, input 2 left / right
Input Termination	RCA phono jack
Signal-to-noise	75dB, (20Hz–20kHz band limiting)
Ratio Power Requirement	+/- 15Vdc @ 10mA
Input Impedance	100k Ohms
Dimensions	2.8" (7.1 cm) high x 2.9" (7.4 cm) wide x 4.8" (12.2 cm) deep
Weight	12.5 ounces (354 g)
Controls	None
Finish	Charcoal gray faceplate

2A45 Dual Input Module

Inputs	Inputs 1 and 2: Dual Level Aux
DC Power Circuit	+/-15Vdc @ 10mA
Input Sensitivity	0.1V or 1V
Dimensions	3" (7.6 cm) wide by 3" (7.6 cm) high by 5-1/4" (13.3 cm)
Frequency Response	20Hz–20kHz (+/-1dB)
Weight	12.5 oz (354 g)
Signal-to-noise Ratio	0.1V Aux: ≥ 75dB 1V Aux: ≥ 75dB Bandwidth limited 20Hz–20kHz
Finish	Charcoal-gray baked enamel on faceplate
Source Impedance	Auxiliary: 10k Ohms
Load Impedance	5k Ohms
Input Termination	Auxiliaries: Screw terminals



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Ordering Information

Model	Description
2A37	Dual Input Module with selection switch for low frequency roll-offs
2A40	Dual Stereo Summing Input Module
2A45	Dual Input Module with selectable gain
2A96A	Mixer/Preamplifier