

eela audio

PRODUCT INFORMATION

EA 800/900 SERIES

Amplifiers:

- EA811 Balancing Unit / RIAA Pre-amplifier
- EA820 Stereo Balancing Unit
- EA825 Mono Distribution Amplifier
- EA853 Studio Interface
- EA925 6 Way Stereo Distribution Amplifier

Signalisation unit:

- EA862 Red-light Signaling Unit 220V

Telephone interfaces:

- EA815/1 Active Telephone Hybrid
- EA915X DSP Telephone Hybrid

Signal processing units:

- EA921 Modulation Limiter
- EA946 Modulation Guard

Selectors:

- EA956/EA957 6 or 12 Way Selector

Please contact your local EA dealer for more information about Eela Audio products.

All information can be subject to changes. Product brochure version: April 2001

<http://www.eela.nl> e-mail: sales@eela.nl

EA 811

Output balancing unit / RIAA pre-amplifier



This stereo unit can be used with two different configurations:

First it can be used for interfacing consumer or HiFi equipment to professional studio levels and impedances. Sources can be tuners, CD players, tape recorders or cassette recorders for playback only, electronic musical instruments and all other unbalanced units.

This unit can also be used as a RIAA amplifier featuring a two stage design with a linear front end for impedance matching and gain, followed by a passive RIAA equalization network.

The gain trim pots can be accessed from the front panel and adjusted with a screwdriver.

EA 815/1

Active telephone hybrid



This unit is a simple, though high quality, analogue telephone hybrid.

The hybrid has a built-in limiter and bandpass filter and can be used in combination with analogue telephone lines (POTS). Voice Control is used together with preset balance, to achieve the best damping of the send signal.

EA 820

Stereo balancing unit (input/output)



To be used for interfacing consumer type of tape recorders or cassette recorders to professional studio equipment for playback and record.

Separate, screwdriver adjustable gain trim pots are available for recording and playback amplifiers. Connections to the studio equipment are transformer balanced on XLR's. The unbalanced interface has RCA/Phono connectors.

EA 825

Mono Distribution Amplifier



This unit features one 'unity gain' input and four amplified output lines for distribution of audio signals in studio installations.

Each output is driven by a separate amplifier and output transformer for maximum isolation. All outputs are short circuit proof and of low impedance, suitable for driving loads down to 300 Ohms.

Inputs are also transformer balanced and the gain can be adjusted from the front panel.

EA 853

Studio Interface



This unit is a stand alone headphone amplifier with extra facilities for use in e.g. a presenter booth. Interfacing is possible from the control room via multi way connector and cable, carrying DC control and audio input signals.

This unit can be used in combination with most EA On Air Mixing Consoles, like the SRM, S130, S340 and S440.

The unit has four separate adjustable headphone outputs, two high-level loudspeaker outputs (with possibility for relay mute option) and a COUGH button with MIC ON signalling.

EA 862

Red-light signaling unit 220V



Signaling unit for three 220 V mains circuits. This unit can be used in combination with EA illuminated signs.

EA 915x

DSP telephone hybrid



The EA915x is the interface between an audio mixer and an analogue telephone line, providing the highest possible quality and reliability. The EA915x uses a 16 bit Digital Signal Processor to reduce the crosstalk.

This hybrid has a remote control input to control it directly from an audio mixing console such as the Eela Audio S340, S440 and LOGOS mixing consoles.

A separate datasheet for this intelligent device is available from your local dealer.

EA 921

Modulation Limiter



This unit is made to act as an interface between a stereo mixer and a mono transmitter feed. This transmitter feed uses pre-emphasis corrected safe deviation protection by means of multiple side chain limiting.

The user controls are limited to one trimpot at the front to determine the amount of processing dependant from the character of the signal and the program format.

For use with stereo transmitters, two units can be used with linked side chains.

EA 925

6 Way Stereo Distribution Amplifier



This unit can be used to distribute a stereo input to 6 outputs.
The input has an XLR connector, while the output has a sub-D25 connector.

EA 946

Modulation Guard



The **EA946** is meant to monitor the signal going to the transmitter to detect silence in case of a failure in the audio feed. There is also an external fault-detect input available, by means of a DC (optocoupler) input with which e.g. a fault signal output of the transmitter ("no carrier") can be monitored.

When a fault occurs and the preset 'ActionTime' has passed, the EA946 shall try to contact 1 out of 5 programmed telephone numbers and the AUX-SOURCE will be activated and routed to the transmitter. After the telephone connection has been established, the called person (service engineer) can control the unit by means of his dial pad (DTMF) to select monitoring the STUDIO signal or the AUX source signal, START or STOP the AUX-source and change over the transmitter routing relay from STUDIO to AUX-source.

A separate datasheet for this intelligent device is available from your local dealer.

EA 956/957

6 or 12 way selector/mixer



Both units, EA956 or EA957, can select one or all inputs to the output using DC control lines. It can also be controlled with four BCD coded control lines selecting one input.

The inputs are transformer balanced and the outputs are electronically balanced.

The EA956 has 6 inputs, while the EA957 has 12 inputs.

The EA700 series meterbridge facility modules offer a range of remote controls for the EA956 and EA957 units.

19" mounting accessories:

The rack mounting kit EA 800/1 allows rack mounting of 1 EA unit. Included with this kit is an empty housing.

With the help of the EA 800/2 brackets, a 19" unit can be mounted into a 19" rack.

EA 800/1

19" rack mounting kit, including empty housing



General Specifications EA800 / EA900 series

Power Supply:

EA862: 220V mains

others: with included power supply, 2 x 18V AC

Dimensions:

Width: 19" (483 mm)

Depth: 155 mm

Height: 1U