



# MatchJack In MatchJack Out



## Description

### MatchJack OUT

The StudioHub+ “OUTPUT” MatchJack is a professional stereo signal level converter. IHF / unbalanced inputs are connected via RCA jacks. The input signal is actively converted to balanced audio and is output at professional level via an RJ-45 wired to StudioHub+ pin-out standards. Internal trim pots allow level adjustment of up to 23dB gain and are factory set for +4 dBV out with a -10dBV input. Power is supplied either via StudioHub+ “DC-Link” power (through the output RJ-45) or via an optional “wall wart” power supply. The StudioHub+ DA MatchJack is housed in a plastic enclosure.

### MatchJack IN

The StudioHub+ “INPUT” MatchJack is a professional stereo signal level converter. Balanced signals are input via an RJ-45 wired to StudioHub+ pin-out standards. The signal is actively converted to IHF / unbalanced outputs and connected via RCA jacks. Internal trim pots allow level sets for a standard -10dBV consumer output. Power is supplied either via StudioHub+ “DC-Link” power (through the output RJ-45) or via an optional “wall wart” power supply. The StudioHub+ DA MatchJack is housed in a plastic enclosure.

## Specifications

### MatchJack OUT (IHF to PRO)

All measurements made with the MatchJack level controls set to produce +4dBm output (600 ohm load) from a -10dBV input.

**Input Impedance:** 20k ohms

**Output Impedance:** 50 ohms

**Maximum Input Level:** +16dBV (6.3VRMS)

**Maximum Output:** +24dBm

**Nominal Input Level:** -10dBV

**Maximum Gain:** 23dB

**Frequency Response:** +0 -1dB 20Hz – 20kHz

**Distortion:** THD + N <.001% 20Hz – 20kHz

**Dynamic Range:** (unweighted 22Hz – 22kHz bandwidth limited) 119dB with input shorted, 117dB with input open

**Output Noise:** (unweighted 22Hz – 22kHz bandwidth limited) -95dBu with input shorted, -93dBu with input open

**SNR:** (unweighted 22Hz – 22kHz bandwidth limited) 99dB

Specifications subject to change without notice

### MatchJack IN (PRO to IHF)

All measurements made with the MatchJack level controls set to produce -10dBV (20k ohm load) from a +4dBu input.

**Input Impedance:** 40k ohms

**Output Impedance:** 1k ohms

**Maximum Input Level:** +24dBu

**Maximum Output Level:** +15dBV

**Nominal Input Level:** +4dBu

**Minimum Loss:** 6.5dB

**Frequency Response:** +0 -1.25dB 20Hz – 20kHz

**Distortion:** THD + N <.001% 20Hz – 20kHz

**Dynamic Range:** (unweighted 22Hz – 22kHz bandwidth limited) 121dB

**Output Noise:** (unweighted 22Hz – 22kHz bandwidth limited) -108dBu



Power Locally or Centrally by StudioHub+  
All products power independently with a wall power supply or via “DC-Link” as part of your StudioHub+ wiring system.



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