

APPENDIX - TECHNICAL SPECIFICATIONS

Digital Inputs and Outputs

Connectors:	XLR (AES/EBU), RCA Phono (S/PDIF), Optical (Tos-link, ADAT)
Formats:	AES/EBU (24 bit), S/PDIF (24 bit), EIAJ CP-340, IEC 958, EIAJ Optical (Tos-link), ADAT Lite pipe
Output Dither:	HPF TPDF dither 8 to 24 bit
Sample Rates:	44.1 kHz, 48 kHz
Processing Delay:	0.2ms @ 48 kHz
Frequency Response DIO:	20 Hz to 23.9 kHz \pm 0.01/-0.1 dB @ 48 kHz

Analog Inputs

Connectors:	XLR balanced (pin 2 hot)
Impedance:	20 kohm
Max. Input Level:	+22 dBu (balanced)
Min. Input Level (for 0 dBFS):	-10 dBu
Sensitivity:	@ 12 dB headroom: -22 dBu to +10 dBu
A to D Conversion:	24 bit (1 bit, 128 times oversampling)
A to D Delay:	0.8 ms @ 48 kHz
Dynamic Range:	>103 dB (unweighted), >106 dB (A)
THD:	-95 dB (0,0018 %) @ 1kHz, -6 dBFS (FS @ +16 dBu)
Frequency Response:	10 Hz to 20 kHz: +0/-0.2 dB
Crosstalk:	<-80 dB, 10 Hz to 20 kHz, typical -100 dB @ 1 kHz

Analog Outputs

Connectors:	XLR balanced (pin 2 hot)
Impedance:	100 ohm (active transformer)
Max. Output Level:	+22 dBu (balanced)
Full Scale Output Range:	-10 dBu to +22 dBu
D to A Conversion:	24 bit (1bit, 128 times oversampling)
D to A Delay:	0.57 ms @ 48 kHz
Dynamic Range:	>100 dB (unweighted), >104 dB(A)
THD:	-86 dB (0.005 %) @ 1 kHz, -6 dBFS (FS @ +16 dBu)
Frequency Response:	10 Hz to 20 kHz: +0/-0.5 dB
Crosstalk:	<-60 dB, 10 Hz to 20 kHz, typical -90 dB @ 1 kHz

EMC

Complies with: EN 55103-1 and EN 55103-2. FCC part 15, Class B. CISPR 22, Class B

Safety

Certified to: IEC 65, EN 60065, UL 1419, CSA E65

Environment

Operating Temperature: 32° F to 122° F (0° C to 50°C)

Storage Temperature: -22° F to 167° F (-30° C to 70°C)

Humidity: Max. 90% non-condensing

PCMCIA Interface

Connector: PC card, 68 pin type 1 cards

Standards: PCMCIA 2.0, JEIDA 4.0

Card Format: Supports up to 2 MB SRAM

Control Interface

MIDI: In/Out/Thru: 5 Pin DIN

GPI, Pedal, Fader: 1/4" phone jack, 0 ohm to 50 kohm

General

Finish: Anodized aluminum front. Plated and painted steel chassis.

Dimensions: 19" x 1.75" x 8.2" (483 x 44 x 208 mm)

Weight: 5.2 lb. (2.35 kg)

Mains Voltage: 100 to 240 VAC, 50 to 60 Hz (auto-select)

Power Consumption: <20W

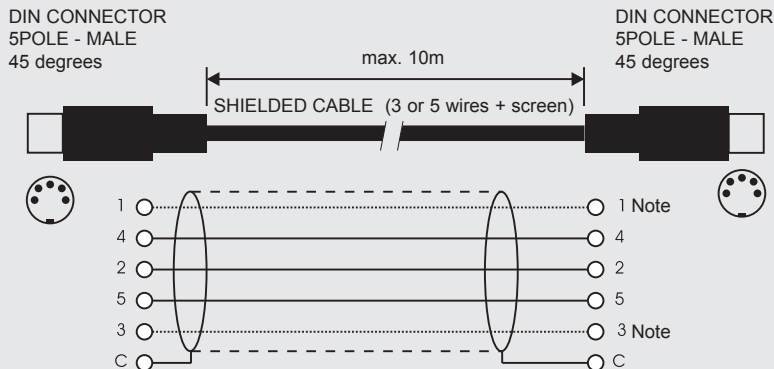
Backup Battery Life: >10 years

Warranty Parts and labor: 1 year

Technical Specifications are subject to change without notice !

APPENDIX *Soldering instructions*

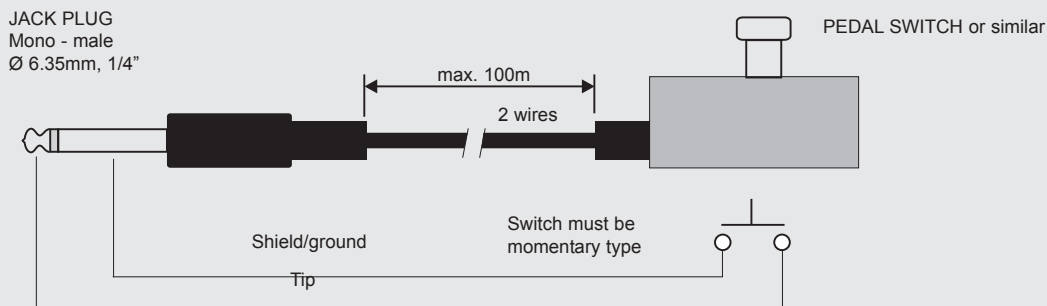
MIDI Cable



NOTE!

On TC units with RS485 interface pins 1 and 3 on the DIN connectors are reserved for RS485 connection. Therefore, if you are connecting the unit to other equipment that use these pins, please make sure to use 3-wire standard MIDI type cable (not a five wire MIDI-PLUS type).

Pedal Cable



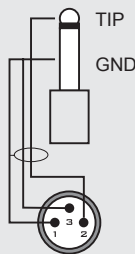
XLR - XLR

Pin 1 - Pin 1 (Ground)
Pin 2 - Pin 2 (Hot)
Pin 3 - Pin 3 (Cold)



Jack (unbalanced) - XLR

Sleeve - Pin 1 (Ground)
Tip - Pin 2 (Hot)
Sleeve - Pin 3 (Cold)



Jack (balanced) - XLR

Sleeve - Pin 1 (Ground)
Tip - Pin 2 (Hot)
Ring - Pin 3 (Cold)

