

Professional PC Audio-Interface for USB



Features

- Full USB 1.1 Compliance
- USB Asynchronous Mode for Record
- USB Adaptive Mode for Playback
- 16 Bit Delta Sigma ADC and DAC
- Sampling Rates:
 - D/A 32kHz, 44.1kHz, 48kHz
 - A/D 8kHz, 11,025 kHz, 16kHz, 22,05kHz, 32kHz, 44,1kHz, 48kHz
- Copy Management for S/PDIF (SCMS)

Power

Supply via USB

Digital Input and Output

S/PDIF or AES/EBU*

Analog Input

Electronically balanced line stereo input
reference level @ +4/+6 dBu
max. level @ +18/+15 dBu
selectable via GPI (D-SUB Connector)

Analog Output

Electronically balanced line stereo output
reference level @ +4/+6 dBu
max. level @ +18/+15 dBu
selectable via GPI (D-SUB Connector)

Connectors

USB – B Type / D-SUB25F /
Headphone Jack 3,5mm

LED

Power On, Init OK, ZLM/Bypass active

DAC

Noise 95dB_r typ. (QPeak, 22Hz–22kHz,
A-weighted)

ADC

Noise 88dB_r typ. (QPeak, 22 Hz–22 kHz,
A-weighted)

Key Strength:

- Real Plug 'n' Play
- No Installation inside PC
- No Special Drivers Needed
- Works with WIN 95-98-2000-XP and Apple OS9 and OS-X
- Powered via USB Bus
- SRA Sample Rate Auto Sensing for 32 / 44,1 / 48 KHz
- Analog: Balanced Audio I/O (+4/+6 dBu)
- Digital: S/PDIF or AES/EBU I/O*
- Automatic Signal Selection (analog/digital)
- ZLM (Zero Latency Monitoring) for analog inputs via GPI
- Headphones Output
- Small Size
- Low Cost
- Pro High Quality

*AES/EBU available as Option

YELLOWTEC



www.yellowtec.com

YELLOWTEC is a brandname of
THUM+MAHR GMBH
Heinrich-Hertz-Str. 1-3
D-40789 Monheim
Tel. +49 (0) 2173 / 967-315
Fax +49 (0) 2173 / 967-400
www.thummahr.de

PUC
Professional USB Converter

Presentation

Rev. 08.05.2003



SUB-D Connector 25pole female

DIGITAL AUDIO INPUT

Standard: S/PDIF	Signal	Pin 14
	Shield	Pin 2
Optional: AES/EBU	Signal +	Pin 14
	Signal -	Pin 2
	Shield	Pin 15

DIGITAL AUDIO OUTPUT

Standard: S/PDIF	Signal	Pin 3
	Shield	Pin 16
Optional: AES/EBU	Signal +	Pin 3
	Signal -	Pin 16
	Shield	Pin 15

ANALOG AUDIO INPUT

Left Channel	Signal +	Pin 25
	Signal -	Pin 13
	Shield	Pin 12
Right Channel	Signal +	Pin 24
	Signal -	Pin 11
	Shield	Pin 12

ANALOG AUDIO OUTPUT

Left Channel	Signal +	Pin 9
	Signal -	Pin 21
	Shield	Pin 22
Right Channel	Signal +	Pin 10
	Signal -	Pin 23
	Shield	Pin 22

GPI

ZLM (analog)	Pin 18	connect to Pin 4 (digital GND)
Bypass (digital)	Pin 17	connect to Pin 4 (digital GND)
Ref. Lvl. +4dBu	Pin 5	connect to Pin 4 (digital GND)

AUX POWER OUT

digital +5V	Pin 6	max. 10mA/ no short-circuit prot.
digital GND	Pin 19	-
analog +15V	Pin 20	max. 10mA/ no short-circuit prot.
analog -15V	Pin 7	max. 10mA/ no short-circuit prot.
analog GND	Pin 8	-

3,5mm Jack Headphones Connector

ANALOG AUDIO OUTPUT

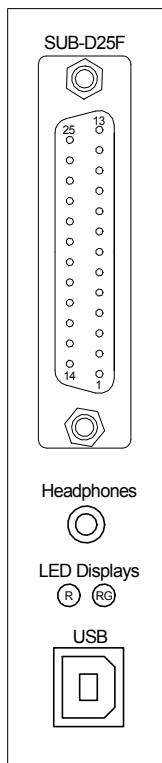
Left Channel	Tip
Right Channel	Ring
analog GND	Chassis

LED Displays

Type R lights red	- when Analog ZLM and/or Digital Bypass active
Type RG lights red	- during USB initialisation process
Type RG lights green	- in normal operation

USB Connector

"B" Type, USB 1.1 Standard
Power Supply via USB



www.yellowtec.com

YELLOWTEC is a brandname of
THUM+MAHR GMBH
Heinrich-Hertz-Str. 1-3
D-40789 Monheim
Tel. +49 (0) 2173 / 967-315
Fax +49 (0) 2173 / 967-400
www.thummahr.de

PUC
Professional USB Converter
Connector Panel

Rev. 13.05.2003



