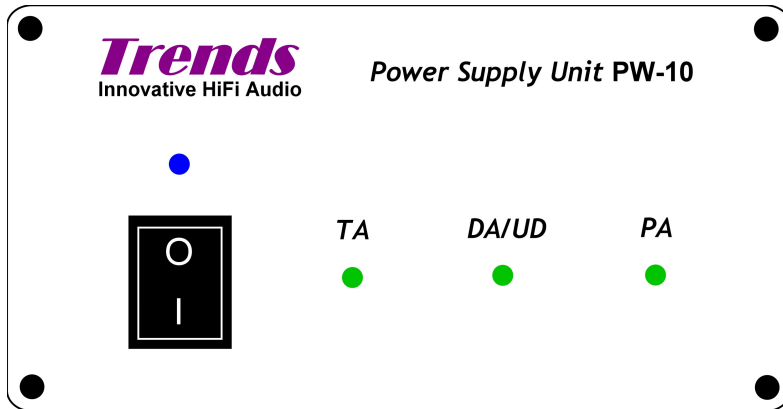


Trends PW-10
Power Supply Unit
Version 1.0
USER GUIDE



CE RoHS

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1. Safety Instructions – Caution!



**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



WARNING — TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. THERE ARE NO USER SERVICEABLE PARTS INSIDE—REFER TO QUALIFIED SERVICE PERSONNEL.

IMPORTANT SAFETY INSTRUCTIONS

Please read before using your Trends PW-10 Power Supply Unit

- 1.) It is recommended that you return your Trends PW-10 PSU to us or a qualified dealer for any service or repair. Incorrect assembly may result in electric shock or fire
- 2.) To reduce the risk of electric shock, unplug the power supply from the outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk
- 3.) An extension cord should not be used unless absolutely necessary. **If an extension cord must be used make sure that the pins on the plug are the same number, size and shape as those of the original power supply plug**
- 4.) Place the unit in an area that will allow air to flow freely around the unit. DO NOT block or obstruct vent openings on the side/bottom of the unit
- 5.) Keep the unit away from moisture and water.

Warning!

Your power supply should be grounded to reduce the risk of electric shock. The Trends PW-10 PSU is equipped with grounding conductor and grounding plug.

The cord must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Never alter the AC cord or plug provided. If the cord will not fit the outlet, have a proper outlet installed by qualified electrician. Improper connection can result in risk of electric shock

2. Introduction

Thank you for your purchase of Trends PW-10 Power Supply Unit

Combined with a newly designed, innovative circuit design and audiophile-grade parts, Trends PW-10 PSU is the most comprehensive power supply unit package for supporting Trends TA-10 Class T Amplifier, Trends UD-10 USB Audio Converter and Trends PA-10 Tube Headphone/Pre-amp

3. Connection and Operation

WARNING! Before plugging the unit to the AC outlet, please check that your local supply voltage is 110V AC or 220V AC (specific model should be selected, not compatible)

We provide three cables (Red, Yellow and White) for connecting Trends Audio's products including TA-10 Class T Amplifier, Trends UD-10 USB Audio Converter and Trends PA-10 Tube Headphone/Pre-amp

- Ensure that the Trends PW-10 PSU's I/O switch is off and it is unplugged from the AC outlet.
- Ensure that the connections are secure and tight.
- Plug the Trends PW-10 PSU into the AC outlet
- Press the I/O switch of the Trends PW-10 PSU to I and observe that the "Blue" indicator in the switch illuminates
- If the indicator fails to light, recheck the connection and AC outlet
- Turn on TA and observe that the "Green" indicator, and then switch on Trends TA-10 Class T-amp series
- Turn on DA/UD and observe that the "Green" indicator, and then switch on Trends UD-10 USB Audio Converter series or Trends DAC DA-10
- Turn on PA and observe that the "Green" indicator, and then switch on Trends PA-10 Tube Headphone/Pre-amp series

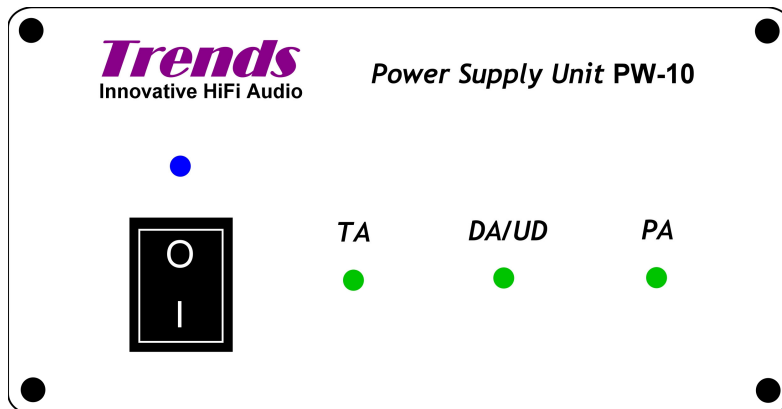
OPERATE THE UNIT IN A WELL VENTILATED OPEN AND COOL AREA DO NOT BLOCK THE OPENINGS AT THE FAN DISCHARGE ON THE BOTTOM AND THE SUCTION OPENINGS ON THE SIDES

4. Features

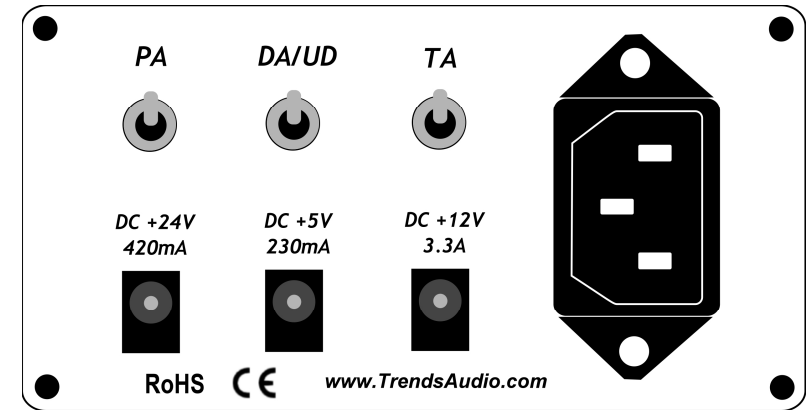
- Transformer-based linear mode power supply
- One AC power supply unit to concurrently support THREE audio appliances: Trends TA-10, Trends PA-10 and Trends UD-10 (can also apply to the future Trends DAC DA-10)
- Audiophile grade transformer is tailor-made for audio application
- Specific circuit design and components applied for different power usage characteristics, which perfect match the different applications in high-frequency, high-current, digital and/or analog circuits
- Ultra-fast speed ON Semiconductor MUR420 and MUR120 rectifiers are applied to provide the fastest response in power rectification
- Rubycon's top MCZ series and SANYO OS-CON capacitors for high frequency digital application, and Nippon Chem.'s high-end capacitors for analog application
- High-end National Semiconductor (NS)'s LM-317A (higher precision than LM317) and LM1084 linear power regulators are applied
- High quality EMI noise filter is added to filter out those high frequency noise inducted from the global electricity network

5. Overview

Front View



Back View



6. Specification

AC Power Input:	110V /50~60 Hz or 220V / 50~60Hz (specific model should be selected, not compatible)
DC Power Output:	TA: +12V/3.3A DA/UD: +5V/230mA PA: +24V/420mA
AC Input Socket: IEC socket	IEC socket
DC Output Socket:	DC 2.1 socket
LED Indicator:	Main Power (Blue) TA (Green) DA/UD (Green) PA (Green)
Power Switch:	Main Power (Front) TA (Back) DA/UD (Back) PA (Back)
Dimensions (DxWxH)	205mm x 105mm x 55mm
Warranty:	Two years parts and labor
Regulatory Compliance:	CE

7. Troubleshooting

If your Trends PW-10 PSU is out of order, it may not be very serious. Before you call your local distributor or us to repair, you are suggested to check the following:

Symptoms	Possible Reasons	Handling Methods
cannot power ON indicator not bright	power cords not properly connected	properly connect the power cords
	power switch is OFF	switch ON the power
The output voltage is 0 V or very low	the Input voltage is very low	Check that the input voltage is 120V or 220 V, (specific model should be selected, not compatible)
	The unit is in current limit condition due to overload caused by large reactive loading r by the output being short circuited	Check the output terminals are not shorted. Remove the load. If the output voltage gets restored, the load is shorted or is offering large reactive impedance
AC side fuse blows as soon as power is turned on.	Unit is defective	Call technical support or by email support@trendsaudio.com .

8. Accessories

- 3 Pins Power Cord x1 (IEC plug and another plug with different country standards)
- Cables x 3
- User Guide x1
- Warranty Card x1

9. Contact Us

ITOK Media Limited (Trends Audio)

Address: Unit E, 13/F., World Tech Centre,
95 How Ming Street, Kwun Tong, Kowloon, Hong Kong

Phone: +852 2304 0730 (9am-6pm, HKG Time)

Fax: +852 2566-5740

Email: sales@TrendsAudio.com (Sales)
support@TrendAudio.com (Support)

Web: <http://www.TrendsAudio.com>

10. Trends Combo

10.1 Trends Hi-Fi Systems Combo

Trends	Combo 1	Comb 1 SE	Comb 1 GE	Combo 2	Combo 2 SE	Combo 2 GE
Model	TAP+PA	TAP+PASE	TAP+PAGE	TA+PA	TA+PASE	TA+PAGE
TA-10.2P	✓	✓	✓			
TA-10.2 SE				✓	✓	✓
PA-10	✓			✓		
PA-10 SE		✓			✓	
PA-10 GE			✓			✓
PW-10 PSU	✓	✓	✓	✓	✓	✓
RCA Cable	✓	✓	✓	✓	✓	✓

10.2 Trends Desktop Hi-Fi Systems Combo

Trends	Combo 10	Comb 10 SE	Comb 10 GE	Combo 12	Combo 14	Combo 14 SE	Combo 14 GE
Model	UDL+TAP+PA	UDL+TAP+PASE	UDL+TAP+PAGE	UDL+TA	UDL+PA	UDL+PASE	UDL+PAGE
UD-10.1 Lite	✓	✓	✓	✓	✓	✓	✓
TA-10.2P	✓	✓	✓				
TA-10.2 SE				✓			
PA-10	✓			✓	✓		
PA-10 SE		✓				✓	
PA-10 GE			✓				✓
PW-10 PSU	✓	✓	✓	✓	✓	✓	✓
RCA Cable	✓	✓	✓	✓	✓	✓	✓