



Technical Pro Integrated Amplifier with USB / SD Inputs User Manual for: IA1000

QUESTIONS/COMMENTS CALL 888-842-6277 or email info@tpro.com

WARNING!

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER OF THIS UNIT. THERE ARE NOUSER-SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO A QUALIFIED TECHNICIAN.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "dangerous" voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans. Users should exhibit extra safety when this symbol appears in this instruction manual and follow all precautions as they are stated.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this manual.

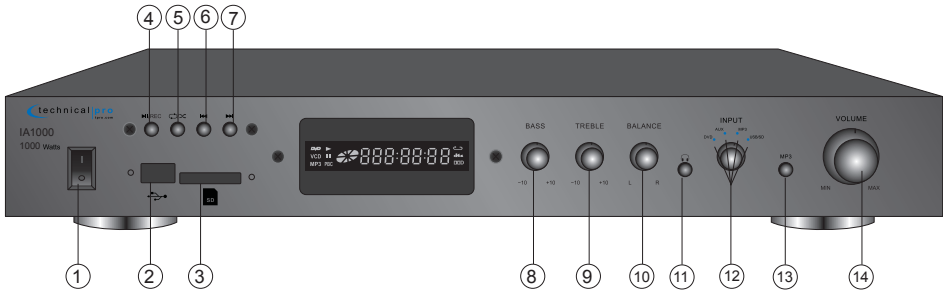
- 1- Read these instructions thoroughly before using this item.
- 2- Keep these instructions for future reference.
- 3- Heed all warnings.
- 4- Follow all instructions.
- 5- **WARNING:** To prevent fire or electric shock, do not expose this equipment to rain or moisture. Do not store or operate this product near any liquids.
- 6- Clean only with a dry cloth.
- 7- Do not store or operate this product near any heat sources such as radiators, heat registers, stoves, or other apparatuses (including amplifiers) that produce heat.
- 8- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a round grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician for the replacement of the obsolete outlet.
- 9- Protect the all wires connected to this unit from being walked on or pinched, particularly plugs and the point where they exit from the unit. When removing the cord from the power outlet, remove it by holding the plug not by pulling the cord.
- 10- Unplug the unit during lightning storms or when unused for long periods of time.
- 11- When wiring this unit and all other equipment used in connection to this unit make sure that all of your equipment is turned OFF.
- 12- Once installation and wiring is complete power on all your equipment with the volume and level controls turned DOWN. Once all the equipment is ON slowly raise the volume or level controls to their proper positions.
- 13- When grounding this unit, be sure to do so correctly, so as not to defeat the built-in grounding in this unit.
- 14- Before placing, installing, rigging, or suspending any product, inspect all hardware, suspension, cabinets, transducers, brackets and associated equipment for damage. Any missing, corroded, deformed, or non-load rated component could significantly reduce the strength of the installation, placement or array. Any such condition severely reduces the safety of the installation and should be immediately corrected. Use only hardware which is rated for the loading conditions of the installation and any possible short-term, unexpected overloading. Never exceed the rating of the hardware or equipment.
- 15- Consult a licensed, Professional Engineer regarding physical equipment installation. Ensure that all local, state and national regulations regarding the safety and operation of equipment are understood and adhered to.
- 16- Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Introduction

Congratulations and thank you for your purchase of this Technical Pro Professional integrated amplifier, the IA1000. To get the most from your IA1000, it is recommended that you review all of the information provided in this instruction manual before operating this equipment.

If you've spent any time at all in professional audio, you know the name Technical Pro and what it stands for — incredible performance & sound, and the ultimate in reliability under harsh conditions. And now, Technical Pro offers the same technology in a series of integrated amplifier bringing more of what sets Technical Pro apart from all others.

IA1000 Front Panel



1.Power: Press this button to power the unit on and off.

2.USB Input: Insert your USB flash drive into this slot. The unit will automatically read .mp3 files from the USB flash drive. The maximum storage size of the USB flash drive can not exceed 32GB. Make sure to set the input select knob to USB/SD to play the signal from the USB flash drive.

3.SD Card Input: Insert your SD card into this slot.The unit will read .mp3 files from the SD Card.The maximum storage size of the SD card can not exceed 32GB. Make sure to set the input select knob to USB/SD to play the signal from the SD card.

4.Play / Pause / Record Button:

PLAYING AUDIO FROM THE USB / SD CARD INPUT

When the input selector is in the position of SD/USB, press this button to pause the signal from the USB flash drive or SD card. Press this button again to play. The play/pause function will only work for the USB flash drive or SD card.

THERE IS NO RECORDING FUNCTION WHEN INPUT SELECTED IS SD/USB.

HOW TO MAKE A RECORDING

When the input selector is in the position of MP3/AUX/ DVD and there is an USB flash drive or SD card (with blank space on it) inserted into their respective slot, press this button and hold for several seconds to activate the recording function. After holding the button down for several seconds the unit will create a new file in the connected USB flash drive or SD card and get ready to record. At the same time "REC" will appear on the display screen. At this point there is no actual recording yet. Press this button again and the unit will start recording and the elapsed time of the recording onto the USB flash drive or SD card will display on the screen. Press this button once again to pause the recording. When paused, the recording time displayed on the screen will be flashing. Once paused, press this button once again to continue the recording on the same track. The elapsed time will continue at the point it was previously paused. Press it and hold for several seconds to save the file and end the recording and exit. If you wish to make multiple tracks, you must save and exit each track before beginning a new recording for a new track. If both USB flash drive and SD card are connected, the unit will begin recording onto the USB flash drive. If the USB flash drive is full, remove it and then press the record button again to start another recording.

THE RECORDING FILE FORMAT IS .MP3.

5.Repeat/Random Button: Press this button to repeat the current track, all tracks or play random tracks

on the USB flash drive or SD card inputs. The unit's default setup is repeating all tracks. Press this button once to repeat the current track, press again to play random tracks, press three times to repeat all tracks. The IA1000 is able to determine if the current track is the original track or if it was made using the IA1000's recording feature. When playing an original track, the words "MP3" will appear on the display screen. When playing a track that was created using the IA1000's recording feature, the words "MP3" will NOT appear on the display screen. To delete a recorded track press and hold the Repeat / Random button for several seconds. Please note the IA1000 will only be able to delete recorded tracks created using the IA1000's recording feature.

6.Previous Button: Press this button to go back to the beginning of the current track or to the previous track on either the USB flash drive or SD card.

7.Next Button: Press this button to go to the beginning of the next track on either the USB flash drive or SD card.

8.Bass Control: Use this knob to adjust the bass on the main output.

9.Treble Control: Use this knob to adjust the treble on the main output.

10.Balance Control: Use this knob to change the balance of the left and right channels.

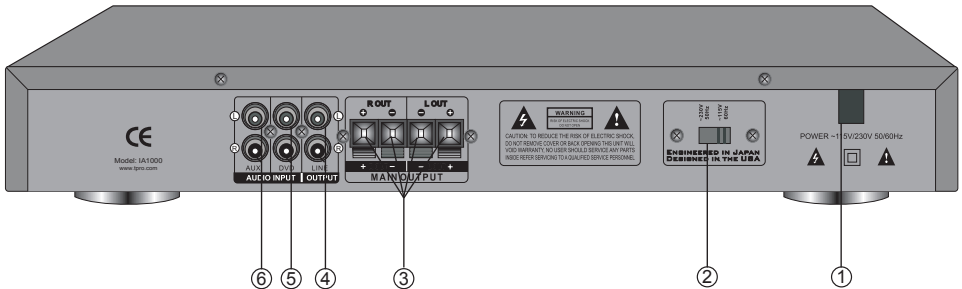
11.Headphone Output: Connect your headphone here. Make sure the volume level of the unit is turned down before making the connection.

12.Input Selector Knob: When you have decided which input you wish to play, turn this knob until it aligns with the corresponding input. For example, if a DVD player is connected to the DVD input on the rear of the unit, turn this knob until it points to DVD.

13.MP3 Input: Connect your MP3 player here. Make sure to set the input selector knob to MP3 to play the signal from the MP3.

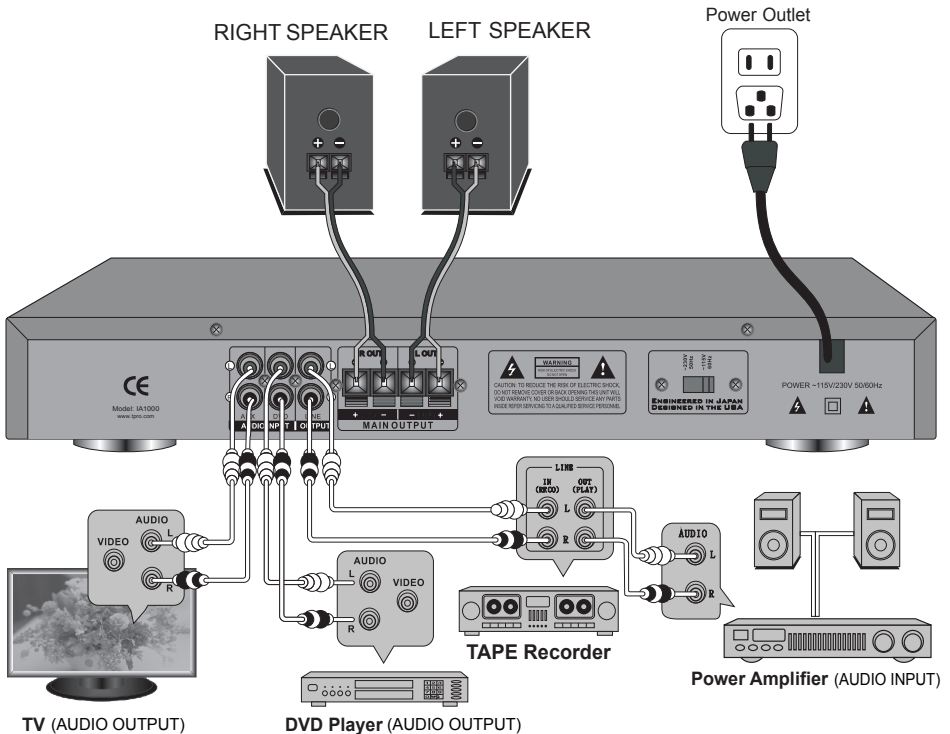
14.Volume: Use this knob to adjust the master volume output.

IA1000 Rear Panel



- 1. Power Supply:** Use the power cord to provide with the unit. Before connecting it to the outlet, be sure the power of the IA1000 is off.
- 2. Power Switch:** Voltage selector. Select between 230V AC 50Hz / 115V AC 65Hz.
- 3. Main Output:** Connect your speakers to these speaker outputs. The IA1000 should be powered off and volume levels turned down when making these connections.
- 4. LINE Output:** Connect the line output to the input on either a recording device or another amplifier. The signal from the line output is a passive output and can not be connected directly to a passive speaker.
- 5. DVD Input:** Connect any stereo signal such as a DVD, CD, TAPE, Mixer etc to this input. To play a signal connected to this input make sure the DVD input is selected on the front panel.
- 6. AUX Input:** Connect any stereo signal such as a DVD, CD, TAPE, Mixer etc to this input. To play a signal connected to this input make sure the AUX input is selected on the front panel.

Typical IA1000 Input and Output Connections



In the typical setup, a user should wire from the output of the signal source directly to one of the RCA inputs on the rear of the IA1000. Once the input signal source is connected to the IA1000, connect the loudspeakers to the IA1000's main outputs. Pictured above is a TV and DVD player connected to the IA1000 inputs. The IA1000 has two loudspeakers connected to it which will play either the signal from either the TV, DVD, USB flash drive, SD Card or MP3 player.

The LINE OUTPUT is connected to the input of a tape recorder. The output of the tape recorder is connected to the input of another amplifier. You can bypass the tape recorder and connect the LINE OUTPUT directly to the input of another amplifier. The LINE OUTPUT will send the signal from the selected input (AUX, DVD, USB flash drive, SD card or MP3 Player).

NOTE: WHEN MAKING THESE CONNECTIONS THE POWER OF THE IA1000 AND THE SIGNAL SOURCE SHOULD ALL BE IN THE OFF POSITION WITH THE VOLUME LEVELS TURNED DOWN

Input / Output Connections

Connecting the Signal Source to the IA1000 (DVD/MIXER/MP3 etc.)

The IA1000 has two input jacks on the rear of the unit which is designed to receive the signal directly from your DVD, mixer or any of your other 2 Channel signal sources. To ensure that you have correctly connected your DVD player (other sound sources) to the unit, make sure that the DVD player has a RCA cord coming from it's output and that this cord is plugging into the RCA Input on the rear of the IA1000. Ensure that the polarity of your signal is always maintained by using color coordinated RCA cables.

NOTE: BE SURE NOT TO CONNECT AN AMPLIFIER OR ANY AMPLIFIED SIGNAL INTO THE RCA INPUT JACK. AS THIS COULD DAMAGE THE IA1000. NO OTHER AMPLIFIER IS NEEDED TO POWER YOUR SIGNAL IN ADDITION TO THE IA1000. ALWAYS MAKE SURE THAT THERE IS ONLY ONE AMPLIFIER IN THE SIGNAL PATH.

There are also input jacks for a MP3 player,USB flash drive and SD card on the front panel of the IA1000. Just plug the MP3 player, USB flash drive or SD card into their respective input jacks and set the IA1000 to the corresponding input. Be sure that the volume of your MP3 player and IA1000 are turned down at first and then slowly raise the volume to prevent damaging the speakers or any of your other equipment.

Connecting the IA1000 to Passive Loudspeakers

The IA1000 is designed to power up to two full-range passive loudspeakers. The speakers should be connected via the speaker wire outputs on the rear of the IA1000.

NOTE: WHEN MAKING THESE CONNECTIONS THE POWER OF THE IA1000 AND THE SIGNAL SOURCE SHOULD ALL BE IN THE OFF POSITION WITH THE VOLUME LEVELS TURNED DOWN. ONCE THE UNITS ARE ALL POWERED ON, SLOWLY INCREASE THE VOLUME TO AVOID DAMAGING ANY OF YOUR EQUIPMENT. THE Amp1100 OPERATED MOST EFFICIENTLY WHEN USED WITH 8 OHM SPEAKERS.

Screen Display



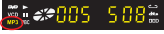
USB

This will display when the unit is reading the USB flash drive.



SD CARD

This will display when the unit is reading the SD card.



005 508

This will display when the unit is playing tracks from USB flash drive or SD card. The track No. is 5 and the elapsed time is 5min 8sec.

NOTE: When the unit is reading tracks which are not created in recording, "MP3" will be illuminated.



REC 004

This will display when the unit is recording and the elapsed time is 4seconds. When the recording is paused this will flash on the screen.



REP ONE

This will display when the unit is set to repeat current tracks.



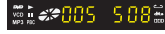
DELETE

This will display when the unit deletes the recording track from USB flash drive or SD card.



058

This will display if the "Previous" or next button is pressed when the previous or next track No. is 58.



005 508

This will display when the unit is playing tracks from USB flash drive or SD card. The track No. is 5 and the elapsed time is 5min 8sec. And this track is created in recording.

NOTE: When the unit is reading tracks which are created in recording, "MP3" will be silent off.



NO DISC

This will display when there is no USB flash drive or SD card connected or the unit is playing from USB flash drive or SD card without any tracks inside.



REP ALL

This will display when the unit is set to repeat all tracks.

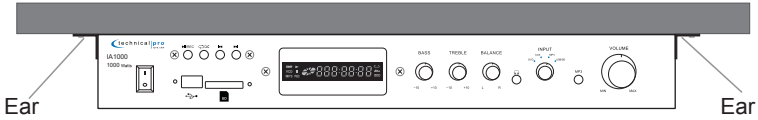


RANDOM

This will display when the unit is set to play random tracks.

Mounting Options

Desk



or

Desk



or

Rack

