

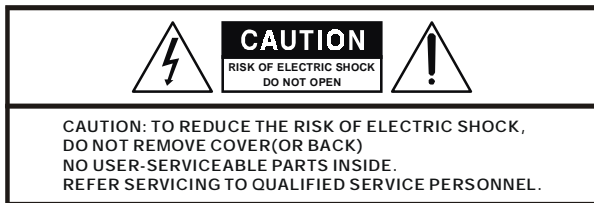
# PR-530A

## INTEGRATED STEREO AMPLIFIER OPERATION INSTRUCTIONS

## PRECAUTIONS

Thank you for purchasing this HI-FI product. Taking time to read these operating instructions carefully before use will acquaint you fully with all its features and help ensure optimum performance.

- In order to simplify the explanation illustrations may sometimes differ from the originals.



The lightning flash with arrowhead symbol, within an equilateral, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

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**WARNING:** To prevent fire or shock hazard, do not expose this appliance to rain or moisture

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### Power plug

When disconnecting the power cord from the power outlet, always take hold of the plug, and not the wire, and pull free. Never connect or disconnect the power plug with wet hands since you may receive an electric shock.

Remember to disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time.



### Do not remove the case and bottom panel

Any inspections or adjustments inside the unit may lead to malfunctions and electric shocks. Do not touch any of the inside parts.



### Do not block the ventilation holes

Do not block the ventilation holes on the top of the unit by placing records or other objects over them. This will increase the inside temperature may lead to a failure or malfunction.



### Installation precautions

Do not install the unit in any of the following locations since this may result in deterioration in performance or malfunction:

- \* Locations exposed to direct sunlight or near objects radiating heat such as heating appliances.
- \* Locations exposed to moisture or humidity.
- \* Locations with poor ventilation exposed to dust and dirt.
- \* Locations which are unstable and not perfectly flat or which are susceptible to vibration.



### Do not wipe with thinners

Wipe the panels and case from time to time with a soft cloth. Using any kind of thinner, alcohol or volatile liquid will mar the surface, cause blotching on the exterior and erase the markings and should therefore be avoided. Do not use insecticide sprays in the vicinity.

**Dripping warning:** The product shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the product.

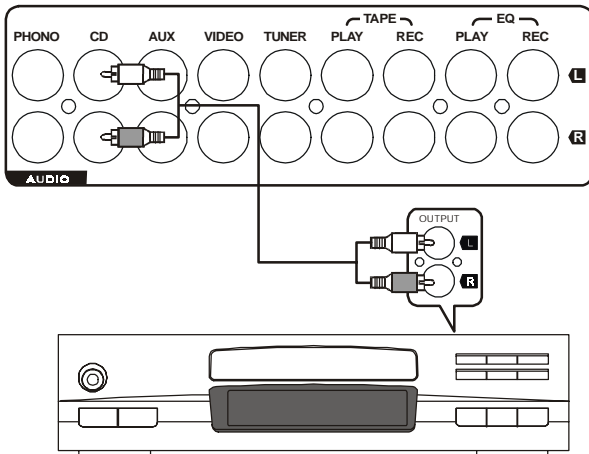
## CONNECTIONS

### Connection precautions

- When connecting, either disconnect the power plug from the power outlet or turn off the unit's power using the POWER switch.
- Check the left and right channels and connect properly (Left to L and Right to R).
- Insert the plugs securely. Improper connection can lead to the generation of noise.

### Compact disc player

Connect the CD terminals to the OUTPUT terminals on the compact disc player using the pin-plug cord.



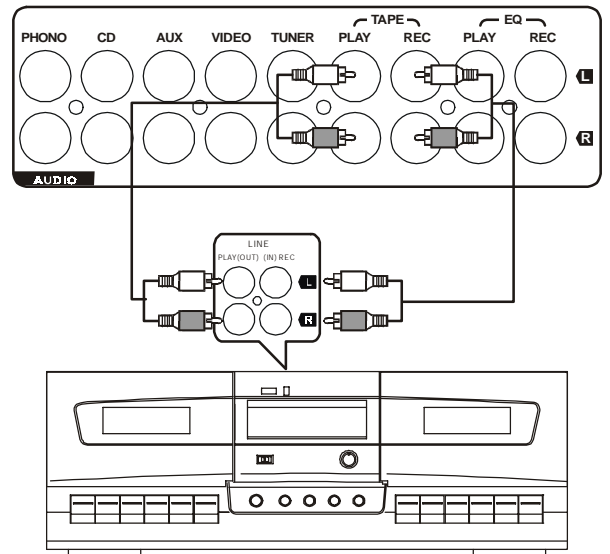
### CD/AUX terminals

These terminals have an electrical performance which is equivalent to that of the CD terminals and the TUNER terminals which means that they can be used as the audio output terminals for a video disc player or TV tuner. Connect these terminals to the OUTPUT terminals on the component using the pin-plug cord.

### TAPE Deck

**Recording connections:** Connect the TAPE REC terminals to the input (LINE IN) terminals on the tape deck using the pin-plug cord.

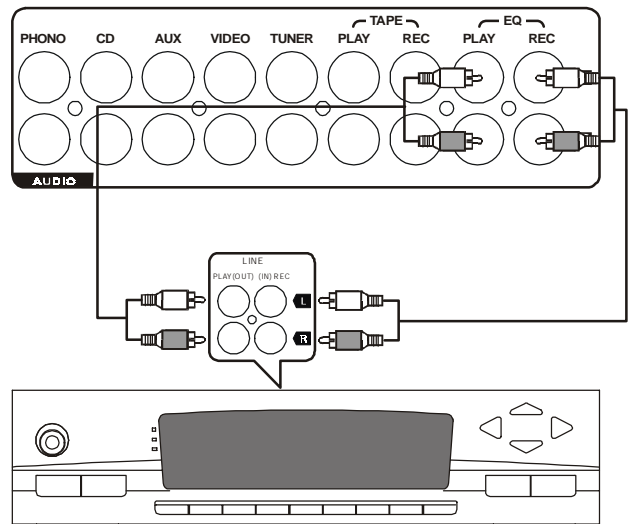
**Playback connections:** Connect the TAPE PLAY terminals to the output (LINE OUT) terminals on the cassette deck using the pin-plug cord.



### PROCESSOR terminals

These terminals are used to connect a graphic equalizer or sound processor. They also come in handy for connecting an AV (audio/video) selector unit.

Use pin-plug cords to connect the REC terminals to the INPUT terminals on the selected component and also to connect the PLAY terminals to its OUTPUT terminals.

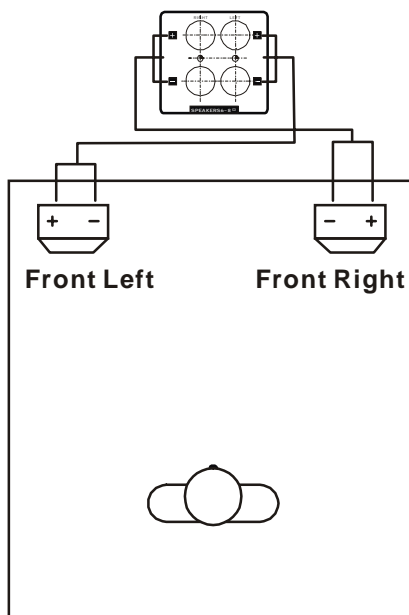


## CONNECTIONS

### Speaker connection

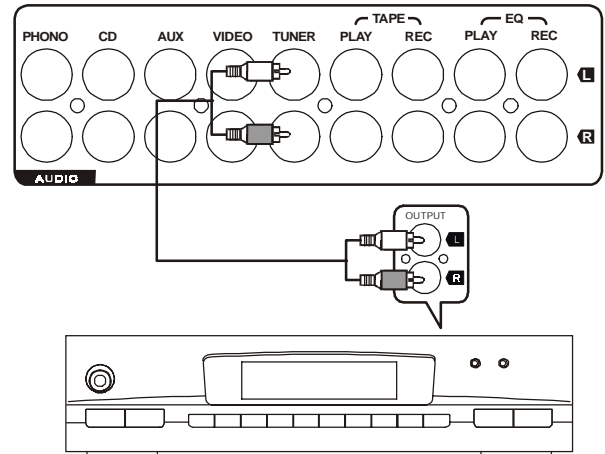
Connect the speaker systems to the SPEAKERS terminals on the rear panel of the unit with the speaker cords. When viewed from the front (the listening position), the speaker mounted on the left should be connected to the L terminals, and the speaker mounted on the right should be connected to the R terminals. Be sure to connect the polarities of the speaker systems and the SPEAKER terminals correctly (+ to +, - to -). If the polarity of one of the speaker systems is connected improperly, sound in the central area between the speakers will appear to be missing, and the position of the instruments will not be clear, resulting in a loss of stereo directionality; so take care when connecting.

\* When connecting, do not allow the conductor of the speaker cords to be exposed from the terminals and come into contact with other terminals.

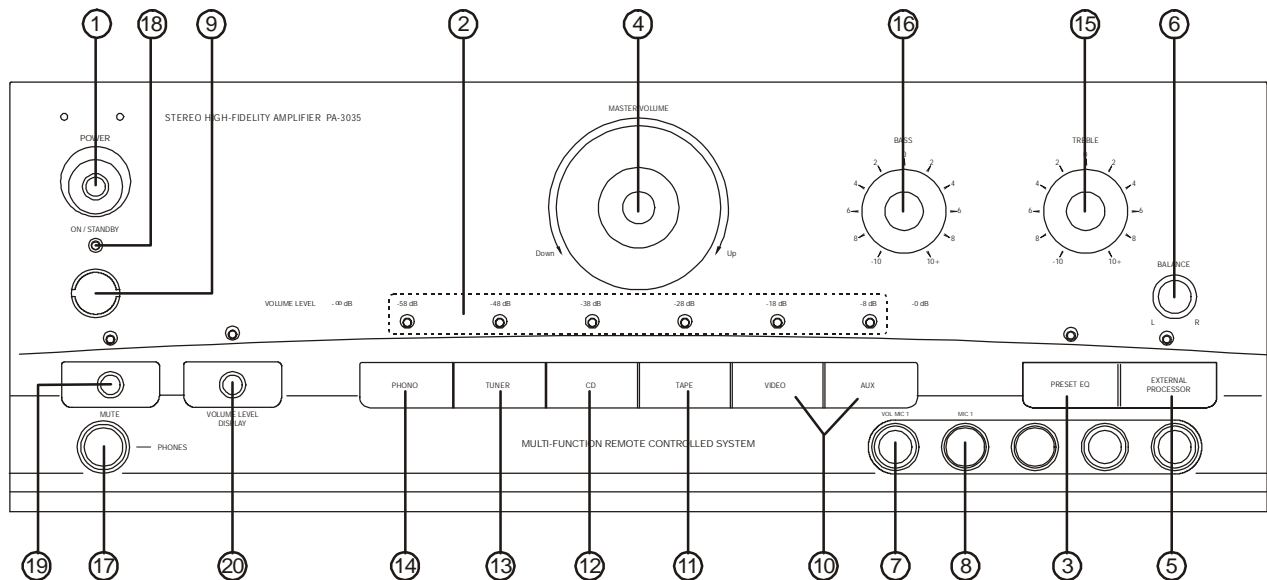


### Tuner

Connect the TUNER terminals to the OUTPUT terminals on the tuner using the pin-plug cord.



## PANEL INFORMATION



### 1. POWER SWITCH

Power is supplied to the amplifier when pressing this switch once and the power is switched off if pressing once more.

### 2. INDICATOR DISPLAY

Press either PHONO, TUNER, CD, TAPE, VIDEO or AUX, the relative indicator will be grown.

### 3. PRESET EQ

Press this switch to preset one of the following kinds of music: POP (green color), ROCK (red color), CLASSIC (orange color) and FLAT (no color).

### 4. MASTER VOLUME

This is used to control the sound heard from the speakers or through the headphones. The volume will be increased when rotates the volume clockwise.

### 5. EXTERNAL PROCESSOR

When this unit is connected to an external graphic equalizer or sound processor, press this switch.

### 6. BALANCE VOLUME (L/R)

The volume of the left and right speakers can be adjusted by the BALANCE volume. As the volume is turned to left, the sound from the left speaker becomes louder than that from the right speaker, and vice versa.

Adjust so that the sounds from the left and right speakers are heard with equal volume at your listening position.

### 7. MIC LEVEL VOLUME

Adjust the MIC LEVEL by rotating MIC LEVEL VOLUME knob. (just for karaoke only)

### 8. MIC JACK

Inserting Microphone if using. (just for karaoke only)

### 9. REMOTE SENSOR

Work with the remote control.

### 10. VIDEO/AUX

This switch is pressed when using the component connected to the VIDEO/AUX terminals for playback.

### 11. TAPE

This switch is pressed when you wish to listen to the cassette deck connected to the tape terminals.

### 12. CD

This switch is pressed when you wish to listen to the compact disc player connected to the CD terminals.

### 13. TUNER

This switch is pressed when you wish to listen to the radio broadcasts from the tuner connected to the TUNER terminals.

### 14. PHONO

This switch is pressed when you wish to listen to records on the turntable connected to the PHONO terminals.

- When the power of the unit is turned on the initial position of input selector switch is set to "TUNER".
- Be sure to press the desired switch (one only) firmly.

### 15. TONE CONTROL TREBLE VOLUME

The treble sound is emphasized when the TREBLE knob is rotated clockwise from its "0" position while it is attenuated when the knob is rotated counterclockwise.

### 16. TONE CONTROL BASS VOLUME

The bass sound is emphasized when the BASS knob is rotated clockwise from its "0" position while it is attenuated when the knob is rotated counterclockwise.

### 17. PHONES JACK

This is the jack for the headphones. Connect the plug on the stereo headphones for private listening. Adjust the volume so that it does not hurt your ears when using the headphones.

- If you do not intend to use your headphones, always ensure that you unplug them.

### 18. REMOTE STANDBY INDICATOR

The Power Amplifier is in remote standby state if the remote standby indicator is lighted.

### 19. MUTE

Press this switch to mute the sound, press it again to cancel the mute function.

### 20. VOLUME LEVEL DISPLAY

Press this switch to see the volume level indicated by INDICATOR DISPLAY.

## OPERATING PROCEDURES

### Before starting operation

#### Check that the controls have been set to the following positions before commencing operation

- Rotate the VOLUME control counterclockwise as far as it will go and set it at the “0” minimum volume position.
- Set the BALANCE control to its center position.
- Set the BASS and TREBLE tone controls to the “0” (center) position.

#### After these checks, press the POWER switch to turn on the power.

If you find a remote standby indicator is lighted, the power amplifier is in remote standby mode.

- (a) Press the power switch off and press it once again after the remote standby indicator is off.
- (b) Using the remote control to switch on the power.

After switching on, the indicator will be shining on “Phono” for a second, after that the unit is set to “Tuner”.

### Playing a program source

1. Press the desired input selector switch to select the program source to which you wish to listen.

**To listen to record:** press the PHONO switch.

**To listen to radio broadcast:** Press the TUNER switch.

**To listen to a compact disc:** Press the CD switch.

**To listen to a component connected to VIDEO terminals:** Press the VIDEO switch.

**To listen to a component connected to AUX terminals:** Press the AUX switch.

**To listen to a tape:** Press the TAPE switch.

2. Operate the program source unit.

3. Gradually turn the VOLUME control clockwise until the desired volume level is obtained.

4. Attain a balance between the sound of the left and right channels using the BALANCE control.

5. To adjust the tone quality, adjust the BASS and TREBLE control.

### RECORDING TAPE

A record, compact disc, broadcast of the program source of a component connected to the line terminals can be recorded by the tape deck connected to the TAPE recording (REC) terminals.

1. Select the input selector switch corresponds to the program source (Phono, CD, Tuner, Video/Aux) which is to be recorded.

2. Start playing the program source.

3. Operate the tape deck and press the “REC” key.

\*The volume, Balance, Tone and other controls (including graphic equalizer) have no effect on the recording level or sound quality of the signals being recorded even they are operated.

### MICROPHONE MIXING (KARAOKE)

- Connect the microphone to MIC jack.

- Adjust your desired singing voice level with Karaoke by turning the MIC LEVEL switch.

**\*\*Note\*\***

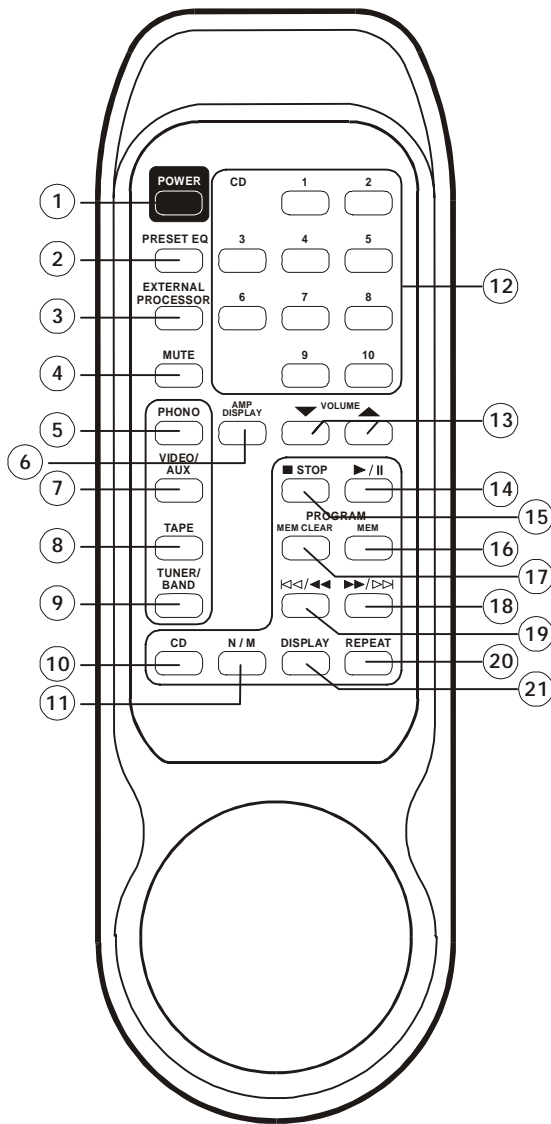
- If strange noises (squealing or howling) are emitted during mixing, change the direction of the microphone or turn down the volume.

- It is possible to record a singing voice accompanying the CD, Tuner, Cassette Tape or Video.

- If using microphone or with Karaoke, it is better to switch off the sound effect switches and adjust the treble/bass volume to zero.

- If using remote to switch off the power Amplifier, the Remote Standby Indicator will be grown on. At this state the amplifier is in sleep mode only, the transformer and parts of circuit is in operation with low energy.

Switch off the Power Amplifier by pressing the main power switch in case of long absence.



**1. POWER**

Power is supplied to the amplifier when pressing this switch once and the power is switched off if pressing once more.

**2. PRESET EQ**

Press this switch to preset one of the following kinds of music: POP (green color), ROCK (red color), CLASSIC (orange color) and FLAT (no color).

**3. EXTERNAL PROCESSOR**

When this unit is connected to an external graphic equalizer or sound processor, press this switch.

**4. MUTE**

Press this switch to mute the sound, press it again to cancel the mute function.

**5. PHONO**

This switch is pressed when you wish to listen to records on the turntable connected to the PHONO terminals.

**6. AMP/DISPLAY**

After switching on the Amplifier and press this key once, the indicators will be shining for indicating the OUTPUT VOLUME LEVEL.

**7. VIDEO/AUX**

Press this key when you using the component connected to the VIDEO/AUX terminals for playback.

**8. TAPE**

Press this key when you wish to listen to the cassette deck connected to the tape terminals.

**9. TUNER/BAND**

Press this key when you wish to listen to the radio broadcasts from the tuner connected to the TUNER terminals. And press again to select the broadcast band (AM or FM).

(P.S: This key only works with our equalizer of our Hi-Fi system.)

**10. CD**

Press this key when you wish to listen to the compact disc player connected to the CD terminals.

**11. N/M**

You can press this key to select the NORMAL playback sequence or MEMORY playback sequence.

(P.S: This key only works with our equalizer of our Hi-Fi system.)

**12. NUMBER KEYS**

For CD, press the keys from no. 1-10 to select the songs on the disc from 1 to 10.

(P.S: This key only works with our CD or our HI-FI system.)

**13. VOLUME**

Press the key (▲) can increase the volume and (▼) can decrease the volume.

**14. PLAY/PAUSE (▶/⏸)**

Press this button to play and press it once again if wish to pause. If in pause mode, press this key once again to resume the operation. (P.S: This key only works with our CD of our HI-FI system.)

**15. STOP (■)**

Press this key to stop the playing/fastfwd/fastbwd or any kinds of such operations.

(P.S: This key only works with our CD of our HI-FI system.)

**16. MEMORY**

Using this key for storing your desired playback sequence. First press this key will change the display to memory state, then press (▶▶/▶▶) or (◀◀/◀◀) to reach your desired track no. Press this key again will store the first track, then use (▶▶/▶▶) or (◀◀/◀◀) key again to reach your second track, press this key again to store the 2<sup>nd</sup> track, repeat the above sequence to store all your desired tracks. Press the STOP (■) key to terminate the memory storing function. Now you can playback on your desired sequence by pressing the PLAY (▶) KEY.

(P.S: This key only works with our CD of our HI-FI system.)

**17. MEM CLEAR**

if you wish to clear all the memories, you can press this key once.

(P.S: This key only works with our CD of our HI-FI system.)

**18. FastFWD (▶▶/▶▶)**

The player will skip ahead to the next track each time the FastFWD (▶▶/▶▶) button is pressed once. Continuously pressing this button makes the player scan through the tracks forward rapidly.

(P.S: This key only works with our CD of our HI-FI system.)

**19. FastBWD (◀◀/◀◀)**

The player will skip backward when FastBWD (◀◀/◀◀) is pressed once. Continuously pressing this button makes the player scan through the tracks backward rapidly.

(P.S: This key only works with our CD of our HI-FI system.)

**20. REPEAT**

Press REPEAT button once, the display will show out REPEAT [1], then the track which is under playback state or ready state will repeat until you switch off the CD player or press STOP (■). Press REPEAT button once more, REPEAT [ALL] will shown on the display, all tracks will be repeated until you switch off the CD player or press STOP (■) button. Press this key again will resume to normal playback mode.

(P.S: This key only works with our CD of our HI-FI system.)

**21. DISPLAY**

Press DISPLAY button once, the display will show the Track Remain Time. And press once more, disc Remain Time will be shown on the Display. Press again can resume to playback time display.

(P.S: This key only works with our CD of our HI-FI system.)

**REMOTE CONTROL UNIT****Remote controlling instructions**

The remote control box can directly control majority of system functions of HI-FI SYSTEM. The functions include power control of the whole system, Volume control, sound field control, CD operation control, Tuner operation control and also source control function. This remote controller may not function properly if an obstacle is located between it and the receiving unit, or if the remote controller is held at an improper angle with respect to the receiving unit.

**Battery Installation**

Remove the rear cover of the remote controller by sliding it backward. Install two AA (1.5V) size batteries, while observing the correct polarity [match the (+) and (-) signs].

**\*\*Note\*\*** Exhausted batteries may reduce the level of sensitivity of the controller.



## SPECIFICATIONS

**Power output**.....Rated 50W + 50W  
( 8 ohms, T.H.D. 10% 1 khz)  
Reference 30W + 30 W  
(8 ohms, T.H.D.1% 1 khz)

**Load impedance**.....8 ohms

**Total harmonic distortion**...less than 0.05% at 1/2 rated  
MS power output.

**Frequency response (at 1 watt)**...20 to 20 khz, + 1dB,  
-2 dB

**RIAA curve deviation**.....+ 0.5dB, -0.5 dB  
(PHONO 20 Hz to 20 KHz)

**Input sensitivity and impedance (at 1 KHz for rated  
power output)**

PHONO.....2.5 mV/47 kohms  
(Max. input capability: mV at 1 KHz, less than 0.1%  
total harmonic distortion.)  
TUNER, TAPE PLAY.....250 mV/47 koms.

**Output level (1 KHz)**

TAPE REC.....250 mV into 47 koms

**Signal to noise ratio (short-circuit, A-network)**

PHONO.....60dB

TUNER, TAPE PLAY.....70dB

**Power requirements**

Power voltage.....230V, 50Hz

For U.S.A & Canada.....110V, 60Hz

Power consumption.....watts VA Rated

Watts maximum

**Dimensions**.....360mm W

128mm H

246mm D

**Weight**.....6 kg (13.2 Ibs) net

6.5Kg (14.3 Ibs) packed

**\* Design and specification are subject to change  
without notice.**

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