

## Basic Troubleshooting

If the following remedies do not correct a problem, disconnect the amplifier from the power and contact your authorized dealer or service centre.

Symptom	Cause	Remedy
The unit does not power up when the Power Switch is Pressed	No Power to unit	<ol style="list-style-type: none"> <li>1. Check that Amplifier is plugged into a powered electrical outlet</li> <li>2. Check if the power cable is plugged into the power socket on the rear panel of the amplifier</li> </ol>
The unit powers up. Vacuum tube does not light up or glow	<ol style="list-style-type: none"> <li>1. Tube not seated</li> <li>2. Tube is defective</li> </ol>	<ol style="list-style-type: none"> <li>1. Check Tube</li> <li>2. Replace tube</li> </ol>
No Sound from speakers connected to amplifier	Turntable working, IA-50 seems to be working	<ol style="list-style-type: none"> <li>1. Check selector switch: make sure proper input selected</li> <li>2. Ensure that phono output is connected to MM input</li> <li>3. Check that phono output is connected to preamp LINE input</li> </ol>
Sound is distorted	Turntable working, sound volume is low distorted	<ol style="list-style-type: none"> <li>1. Check to see if proper cartridge input is selected: MM</li> <li>2. Check setting of IA-50</li> <li>3. Change tube</li> </ol>

## Warranty

See two-year warranty details enclosed with your IA-50 Amplifier.

## Specifications

Power Output:.....30Wx2 (3ohms)	Headphone Impedance:.....32-160ohms
Frequency Response:....20Hz-50kHz (10W 8ohms)	USB DAC:.....24Bit 96kHz
Harmonic Distortion:.....0.01%	Wireless:.....2.4GHz Wireless Audio Input
LINE Gain:.....32dB	External Power Supply:.....AC100V-264V/50-60Hz
Phono Gain:.....72dB	Tube:.....6N3
Input Impedance:.....80kohms	Dimensions:.....260x210x120mm (LxWxH)
Output Impedance:.....4ohms-8ohms	Weight:.....2.4kg
Phono Impedance:.....47kohms	



WorldWide Sales & Marketing Office: Luen Hing Electrical (HK) LTD.  
 Address: G/F., 152 Apliu Street, Shamshuipo, Kowloon, Hong Kong  
 Tel: +852 2728 8745 Email: info@dared.com.hk  
[www.dared.com.hk](http://www.dared.com.hk)

# Dared

## IA-50

### HD Hybrid Vacuum Tube Amplifier



## Operator's Manual

Manual Rev 1.0 Nov 10, 2015

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## Safety Instructions

1. **Warning:** To reduce the risk of electric shock, do not remove screws, cover or back of the product as there are no user-serviceable parts inside.
2. **Caution:** Do not operate the amplifier near any fluids such as vases, beverages etc.
3. **Ventilation:** Ensure that the IA-50 is in a well ventilated position, it should not be placed in a sealed cabinet or similar.
4. If a good quality surge protector is not employed, the unit should be unplugged from the power point in times of electrical storms and lighting.

## Front panel and controls

1. Power switch/indicator. Press in to turn on the power. Press again to turn off.
2. Input Select (LINE, Wireless, USB DAC, Phono)
3. Volume Control
4. Headphone Output



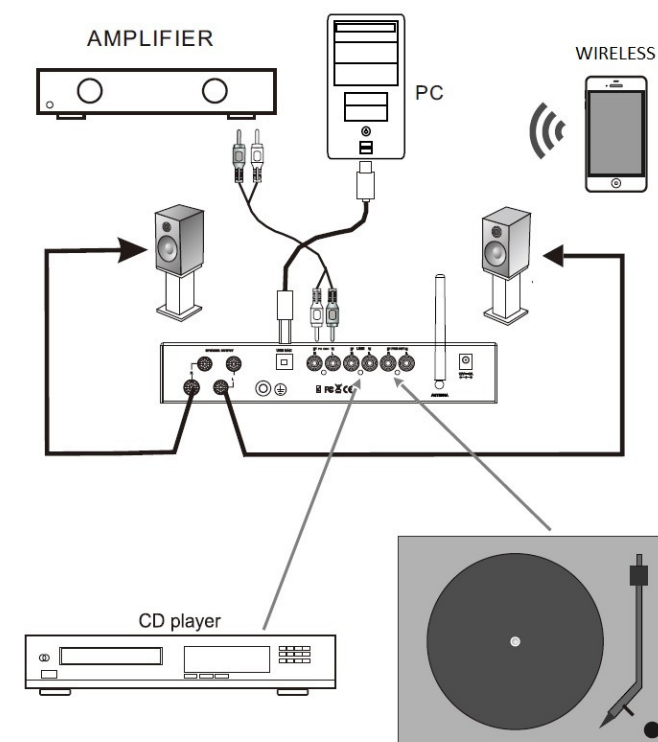
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## Rear panel and connections



1. Right & Left Speaker Output
2. GND for Phono input
3. USB DAC input (Digital-to-Analogue Conversion)
4. Phono input (for Turntables)
5. Line input (for CD Player, Tuner, TV, DVD etc)
6. Preamplifier output (Right & Left)
7. Antenna for Wireless receiver
8. Power input jack

## Connection Diagrams



### Basic Operation

- A. Press in the main power. There is a 20 second delay before the tube is operating normally, this is called a "Soft Start" to increase the longevity of the tube.
  - B. While the unit is heating up, make sure the volume to a lower level. This is good practice as not to damage your speakers accidentally.
  - C. Select the desired source to the desired input setting.
  - D. Turn on the input device.
- You are now ready to begin listening to music.

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