

**12. Technical Specifications**  
**MP-5BT Hybrid Integrated Amplifier/Preamplifier**  
**with Wireless Audio Connection / USB DAC**

- Maximum Power Output: 2 x 25 Watts
- Frequency Response: 20-25KHz
- S/N Ratio: 86 dB
- Distortion: 0.1%
- Input Impedance: 100 K-Ohms
- Output Impedance: 4/8 Ohms
- Maximum Power Consumption: 110 Watts
- Input Source: 2.4 GHz Wireless Audio Input;  
USB DAC; Line Input (RCA)
- Output: Preamplifier (RCA); Speaker (L & R);  
Headphone
- Voltage Input: AC 100-120 V, 50/60 Hz  
AC 220-240 V, 50/60 Hz
- Tubes: 6N1; 6N2; 6E2 Cats-Eye
- Dimensions: 260 x 160 x 155 mm ( L x W x H)  
10 1/4" x 6 3/16" x 6 1/8"
- Weight: 3.8 kg,  
8.37lbs

*Thank-you for selecting DARED  
as your choice for your  
audio entertainment system  
and listening pleasure.*

*Experience The Art of Tube*

**dared**

**Tube      The Purity of Sound**

**dared**

**Model MP-5BT**  
**Integrated Vacuum Tube**  
**Amplifier with USB DAC/  
Wireless Audio Connection**

**OWNER'S MANUAL**



**WARNING!**

**Read the instruction manual  
completely before use.**

**IT CONTAINS VITAL SAFETY, WARRANTY  
AND LIABILITY INFORMATION.**

By using the product the user acknowledges their responsibility and agrees to the warranty and liability statements and safety notices.

Manual Rev 3.1 July 14 2014

**DARED AUDIO INTERNATIONAL**  
www.dared.com.hk

© 2010-2014 DARED Due to constant improvements, specifications and functions subject to change without notice. Failure to read and follow the guidelines established in the manual may void warranty. Customer is solely responsible for use. Tampering or modifying the unit voids warranty. Consult Warranty Statement for all details.

## Dear Valued Customer:

Thank-you for purchasing our revolutionary integrated audio amplifier for your home or office as part of your music entertainment system. This component has been designed to offer state-of-the-art high-end performance in an elegant package while retaining all the sonic hall-marks on which DARED has been recognized for since 1995. Our dedication to the "Purity of Sound" is an important reason why our products are sought after retain their value over time.

The performance of your MP-5BT will continue to improve during the first 480 hours of listening. This is the result of a "break-in" period required for the numerous high quality electronic parts and ageing of the tube used throughout this integrated amplifier. Before use we encourage you to please read this manual thoroughly to properly acquaint yourself with its features. We hope you enjoy listening to our Product as much as we have had the pride that we have taken in manufacturing this fine product for your listening pleasure. Thank-you for choosing DARED! for your audio experience.

### FCC NOTICE: This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful Interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment generates RF energy and if not installed or used in accordance with the instructions, may cause harmful interference to radio communications and other devices. There is no guarantee that interference will not occur. If this equipment does cause harmful interference which can be determined by turning the equipment on or off or transmitting momentarily, the user is encouraged to try to correct the interference by one or more of the following methods:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect equipment into an outlet on a circuit that is different from that to the receiver is connected to.
- Consult the dealer or an experienced radio/TV/ communications technician.

### CE DECLARATION OF CONFORMITY

Accurate Technology Co., Ltd,  
Declares that this equipment complies with the essential requirements of the following application directive: 1999/5/EC Radio Equipment and Telecommunications Terminal Equipment. Model No. MP-5BT Vacuum Tube Amplifier. This compliance is based on conformity with the following harmonized standards or documents:

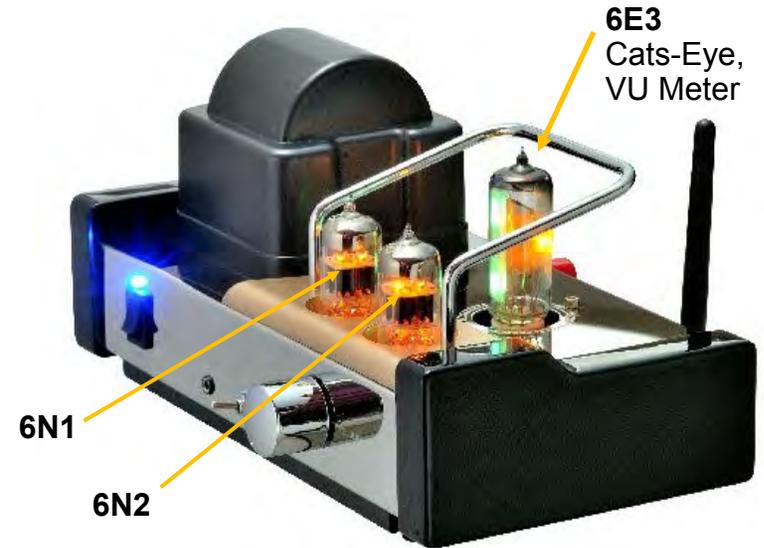
EN 301 489-1 V1.9.2: 2011	EN 62479: 2010
EN 301 489-17 V 2.2.1: 2012	EN 60065:2002 +A1:2006 +
EN 300 328 V 1.7.1: 2006	A11: 2008 + A2:2010 + A12: 2011

Shenzhen China Feb 24 2014  
Place and Date of Issue  
Certificate on File

Per ATC Labs  
Sean Liu

## 11.0 Tube Replacement

When should I replace tubes? This is a hard one to answer as in this unit your tubes should last depending on use for a long period of time. If you hear squeals, low output, distorted output, it is time to consider replacing the tubes. Your DARED Dealer may assist. Replace tubes always with the same model number and place them in the same location as shown:



Screwdriver access holes to reach cage mounting screws (use long screwdriver)



Location of cage mounting screws

MP-5BT shown above with tube cage installed

## 10. Troubleshooting

Fault /Symptom	Observation	Solution
A. Unit does not power up	Unit does not power up when power switch turned on	<ol style="list-style-type: none"> <li>1) Check equipment is plugged into electrical outlet</li> <li>2) Check if power cable is plugged into the power socket on the rear panel of unit</li> <li>3) Check if there is power on the outlet being used.</li> </ol>
B. Vacuum Tube does not light up, glow.	<ol style="list-style-type: none"> <li>1) Faulty Vacuum Tube</li> <li>2) No Power to unit</li> </ol>	<ol style="list-style-type: none"> <li>1) Replace tube</li> <li>2) Consult Section (A) above</li> </ol>
C. No Sound from Speakers	<ol style="list-style-type: none"> <li>1) Audio input not connected</li> <li>2) Incorrect Input setting</li> <li>3) Low volume</li> </ol>	<ol style="list-style-type: none"> <li>1) Check input connections and make sure that the source is in play mode if applicable</li> <li>2) Check input selector</li> <li>3) Check volume control, check speaker connection, check tube</li> </ol>
D. Poor sound stage, Poor audio presence	1) Speaker polarities are reversed	<ol style="list-style-type: none"> <li>1) Check speaker connections: Right Speaker Output connection for Right Speaker, Left Output connection for Left Speaker, Check that speaker polarity connections are correct: Red of Amp to Red of Speaker (+); Black of Amp to Black of Speaker (-)</li> </ol>

*If you continue to experience difficulty and cannot solve your issue or have other problems, contact your Authorized DARED Dealer for assistance.*

**1.0 UNPACKING:** The **MP-5BT Integrated Amplifier** should be removed from its box with care. The following accessories should be included inside:

- AC power cable
- This Owner's Manual
- One set of lint free gloves
- Wireless antenna
- Warranty Information and Product Registration Card

As soon as the integrated preamplifier is safely removed from its packaging please perform a thorough physical inspection and report any physical damage to your dealer immediately. We suggest that you keep all of the original packaging, storing it in a safe, dry place in the event that you may need it later to transport or move this product.

At this time also please locate the Product Registration Card and write down the serial number of your new DARED MP-5BT integrated amplifier in the space provided on the card as well as below for future reference.

**Serial No.:** \_\_\_\_\_ **Date of Purchase:** \_\_\_\_\_

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**2.0 About your MP-5BT:** Music lovers and audiophiles who want warm, detailed and true analog-like sound from highly compressed digital sources such as MP3/MP4 players, iPods, computers or CD players either wired or connected wirelessly to your amplifier will allow you now to enjoy audiophile quality music like you've never experienced it before.

The MP-5BT has a very good transient response offering you with every precise detail and note along with an incredible soundstage and very high resolution due to our unique design. Notably, careful selection of components are used throughout the assembly that should provide you with many years of listening pleasure.

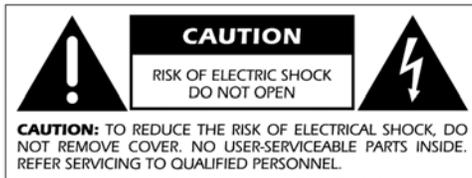
Included in your component's design and fabrication :

- All wiring used is made of Oxygen Free Copper (OFC) having enhanced conductivity advantageous to audio signal transmission.
- Custom made EI transformer rated over 1,000 watts with multi-core wiring to prevent noise interference
- PCB using 2 oz copper layer to maintain extreme low resistance and noise
- Japanese Nichicon high quality Electrolytic Capacitors
- Panasonic High Quality Coupling Capacitors
- JJ branding High End Grading, Select Vacuum Tubes
- For superior high frequency performance, Non-inductive resistors used

### 3.0 SAFETY NOTICES:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings and follow all instructions in this Manual.
4. Do not use this apparatus near water.
5. Clean only with a dry cloth.
6. Do not block ventilation openings. Install in accordance with instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves or another apparatus that produces heat.
8. Do not defeat the safety purpose of the polarized or grounding type plug. If the provided plug does not fit into the outlet, consult your Reseller.
9. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, etc.. Unplug the AC mains cord as well as all other connecting cables during transportation.
10. Only use attachments and accessories specified by DARED or your Authorized DARED Dealer.
11. Use a surge protector on the main AC-Line to this component as well as all other components connected to this product. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. **NO USER SERVICEABLE PARTS INSIDE.** Owner may change tubes.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



### OTHER SAFETY NOTICES

1. **ALWAYS** disconnect your entire system from the AC mains before connecting or disconnecting any cables, or when cleaning any component. To completely disconnect this apparatus from the AC mains, disconnect the power supply cord plug from the AC receptacle.
2. **NEVER** use flammable or combustible chemicals for cleaning audio components.
3. **NEVER** wet the inside of this component with any liquid. If a liquid substance does enter your unit, immediately disconnect it from the AC mains and take it to your DARED Dealer for inspection.
4. **NEVER** spill or pour liquids directly onto this component.
5. **NEVER** block air flow through ventilation slots or heat sinks.

### OTHER SAFETY NOTICES

## 8.0 WIRELESS AUDIO / USB DAC OPERATION

**8.1 WIRELESS:** Usually your wireless device will automatically search for a visible wireless device at first try, in this case the MP-5BT integrated amplifier. Your device should search and connect to the MP-5BT BT 4.0 unit. If your device does not see the DARED “wireless device” appear after 30 seconds or so, then you may search for a USB device manually with your unit.

If you have difficulty in connecting, start your mobile device’s wireless search function and turn off then back on the MP-5BT amplifier.

(Your wireless antenna needs to be connected to the rear of the MP-5BT.)

**8.2 USB DAC :** You may play your favorite tunes from your PC or laptop. Connect the data cable between the PC and the MP-5BT’s DAC connection. When connecting with the MP-5BT integrated amplifier, the name on the PC’s sound card will appear as “DARED AUDIO USB”.

**NOTE:** You may not listen to two inputs at the same time. The wireless connection takes precedence over the USB/DAC input. If you decide to use the wireless connection between your mobile device and the wired connection to your computer, you must disconnect the wireless connection between your mobile device and the wireless receiver.

## 7.0 OPERATION

With all connections made and secured, and with all cables tucked away, you are now steps away from enjoying the sound quality of the MP-5BT.

Just as a last check and prior to turning this amplifier on for the first time make sure that every cable is properly connected to avoid any problems.

Also it is a good idea to remove the tube cage and ensure that the tubes are seated well and are in their proper position before connecting to AC power, just in case they became loose in shipping.

Then turn on your MP-5BT integrated amplifier in the following manner:

- 1) Switch the main rocker switch labeled "POWER" to the (ON) position on the front Panel. The Power "ON" Indicator Light will illuminate as well as where you will see the tubes start to glow. There is a 20 second delay before all the tubes are operating normally, this is called a "Soft Start" to increase the longevity of the tubes.
- 2) While the unit is heating up, make sure the Volume Control is turned counterclockwise, to a lower level.
- 3) Select the Source Input by using the Input Selector Switch on the front panel. Start the source.
- 4) You are now ready to begin listening to music. Adjust the volume control to the desired sound level.

NOTE: For the first 480 hours play your selected music at a normal listening levels at first to further burn in the tubes and all components.

6. **NEVER** bypass any fuse or replace any fuse with a value or type other than those specified.
7. **NEVER** expose the MP-5BT to extremely high or low temperatures. If the MP-5BT has been taken out of storage from an unheated environment, let the unit acclimate to room temperature before making any connections and applying power to the unit.
8. **ALWAYS** keep electrical equipment out of reach of children. This unit has a Protective Cage / Tube Cover which guards against accidentally touching the glass tubes that are used for either power conditioning, amplification, or serving as a VU Meter when the product is in use, thus avoiding a potential injury and burn. Keep children away. Do not handle the tubes when hot, or wet them. Only touch the tubes only when they are cold and the unit is unplugged from its source of AC Power.
9. **ALWAYS** unplug sensitive electronic equipment such as this unit during lightning storms.

**CONGRATULATIONS!  
NOW YOU ARE READY TO START!**

## 4.0 Installation & Placement

The MP-5BT as is the case with any tube equipped device is more sensitive than most other types of audio components to EMI (electro-magnetic interference) from power supplies and motors including vibration. Consequently, it should be placed at a minimum distance of 18 inches from power supplies, turntables, tape decks, AC line filters, etc..

One should never place another component directly on top of this integrated amplifier, and as good practice, it is not recommended to directly place this component on another audio component that generates heat.

**NEVER PLACE THIS COMPONENT ON TOP OF A LOUDSPEAKER.**

When dressing cables, take care as to tuck away loose cables so someone may not trip on them.

Allow also for ample air circulation around the MP-5BT.

## 5.0 FAMILIARIZING YOURSELF WITH THE MP-5BT

### Front Panel Layout



(1) Power Switch: Turns power on and off; when power is turned on, the unit preheats tubes for 20 seconds before operating normally.

(2) 3.5mm headphone output for connecting headphones.

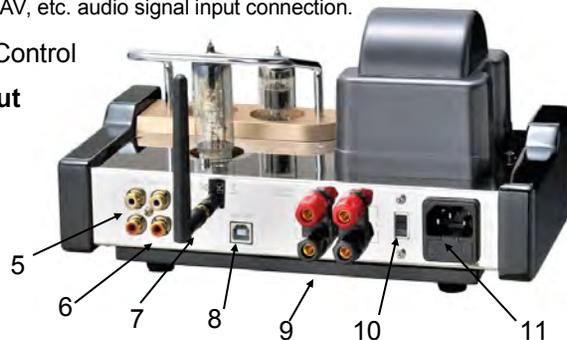
(3) Input Selector Switch for selecting audio input.

When in the upper position: Selects Wireless or USB/DAC input.

When in the lower position: Selects the line-in (input), where you can select a CD player, MP3, AV, etc. audio signal input connection.

(4) Volume Level Control

### Rear Panel Layout



(5) Line-in: (L & R Input); interface to connect to a CD player, MP3, TV and other line-in compatible input signals.

(6) Line (Signal) Output, (L & R); sends a pre-amplified signal to an amplifier's input connections.

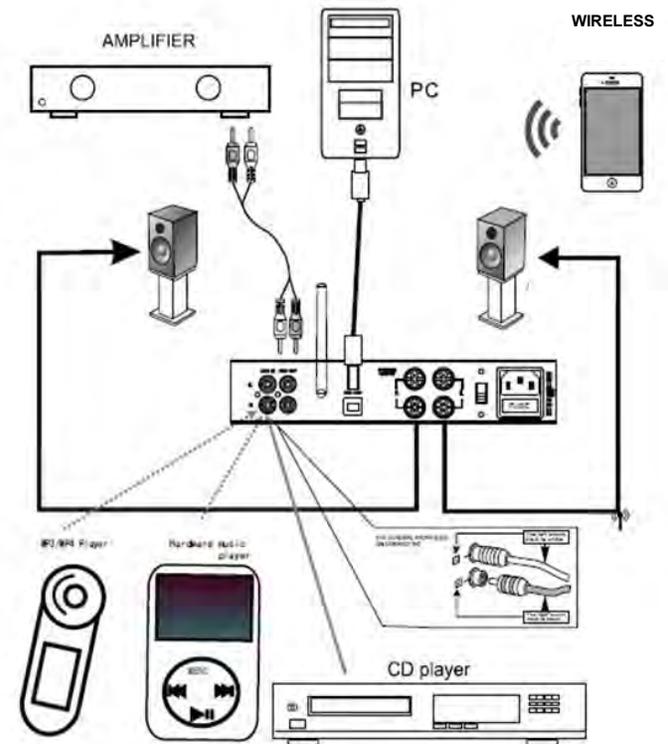
(7) Wireless Antenna

(8) USB input interface for connecting a computer USB port, receive computer USB digital signals.

(9) Speaker Connections: 4 to 8 Ohm (L & R)

(10) AC Input Voltage (115V/230V) Selector Switch ( Note: Before connecting Power Cord, select the proper voltage input by sliding the switch to the correct position.

## 6.0 SYSTEM CONNECTIONS



6.1 Connect the MP-5BT to the various components that you wish to use as shown. (Example: CD Player connected to Line Input via a pair of good quality RCA terminated shielded cables, and your PC via USB cable.) Consult your Authorized DARED Dealer for cable recommendations.

6.2 Connect the MP-5BT speaker outputs using good quality designated audiophile speaker cable to your speakers. Your Authorized DARED Dealer may be of assistance.

6.3 With all input and output connections made, select the proper input AC mains Voltage by sliding the voltage selector to the proper AC Voltage setting.

6.4 Use the supplied AC power cable connecting it to the IEC receptacle located on the rear panel of the integrated amplifier's chassis. Ensure that the AC wall outlet you use has a functioning ground. Then, it is preferable that you plug your MP-5BT into a surge suppressor power bar used as well for your other audio components, then best is to connect this directly into a dedicated AC outlet. Best to avoid using an extension cord.

NOTE: In order to obtain the maximum performance from your audio system we strongly recommend that the detachable power cord does not come into physical contact with any of the interconnect cables running to and from your MP-5BT. In the event that this can't be avoided, you should ensure that any cables coming into contact with each other are crossed at ninety degree angle to minimize the contact area.