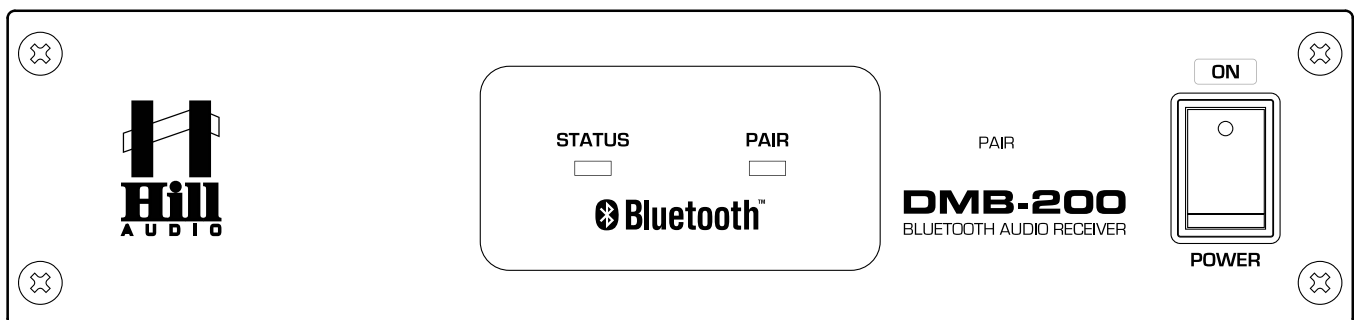




DMB200

DIGITAL MEDIA BLUETOOTH RECEIVER



USER MANUAL

Welcome

Thank you for choosing Hill Audio for your sound system. To make sure that this product meets your expectations and provides long term, reliable performance, please read and follow this instruction manual carefully.

Important Safety Instructions

- Read these instructions and all markings on the product. Keep these instructions.
- Heed all warnings and instructions, both in this manual and on the product.
- Clean only with a dry cloth. Unplug from AC supply before cleaning.
- Before connecting this product to any AC supply, make sure you check whether the AC mains voltage and frequency match the indication on the product and its packaging.
- Only connect this product to an AC supply with sufficient power handling, protective earth connection, ground – fault (earth-fault) protection and overload protection.
- Disconnect the product from the AC supply during thunderstorms. Also disconnect from the mains supply if the product is not being used for long periods.
- Make sure any heat sink or other cooling surface, or any air convection slot, is exposed sufficiently to free air circulation and is not blocked.
- Do not operate this product in environmental temperatures exceeding 35 degrees Celsius and/or 85% relative humidity.
- Position the product in a safe and stable place for operation, out of reach of unauthorized persons.
- Make sure any cable connections to and from the product are neither subject to potentially destructive mechanical impact nor present any risk of stumbling or other accident risk to people.
- Audio equipment may generate sound pressure levels sufficient to cause permanent hearing damage to persons. Always start up at low volume settings and avoid prolonged exposure to sound pressure levels exceeding 90 dB.
- Do not open this product for service purposes. There are no user-serviceable parts inside. Warranty will be void in any case of unauthorized service by the user or other unauthorized persons.
- Take any precaution required by local law, applicable regulations or good business practice to avoid injury to people or material damage by use of this product.

Explanation of symbols used in this manual and on the product:



ATTENTION!
Read manual
before installation
and operation.



DANGER!
Safety hazard.
Risk of injury or death.



WARNING!
Hazardous voltage.
Risk of severe or fatal
electric shock.



WARNING!
Fire hazard.

Description

The DMB200 digital media Bluetooth receiver, is a music player for background music systems in retail, fitness, bars and restaurants. The user has the ability to pair any Bluetooth device to the DMB200.

For example a phone or mp3 player.

A cost effective way to add to any PA system, so the user can play any tracks, they already have stored on their Bluetooth device.

Health Advice

This unit produces and absorbs electromagnetic radiation. The strength of radiation and the sensitivity for disturbing interference matches the CE and FCC requirements. A corresponding sign is printed on the backside of the unit. Any change or modification may affect the behaviour of the unit concerning electromagnetic radiation and it may not then meet CE requirements. The manufacturer takes no responsibility in this case.

Functional Advice

This unit is immune to the presence of electromagnetic disturbances – both conducted and radiated up to a certain level. Under peak conditions, the unit is classified to show a “class C” performance criteria and may encounter temporary degradation or loss of function which may need manual help to recover. In such case, disconnect the AC power from the unit and reconnect it again to recover.

Environmental Advice

This unit is built to conform to the ROHS standards and the WEEE directive 2002/96/EC of the European Parliament and of the council of the European Union. Under these regulations, the product shall not be discarded into regular garbage at the end of its life, but shall be returned to authorized recycling stations.

Unpacking

Please check that the box contains the following items:

Main Parts: 1 pc. DMB200 main unit
 1 pc. Mains cable
 1 pc. Operation Manual

If any part is missing, please contact your dealer immediately.

Warning



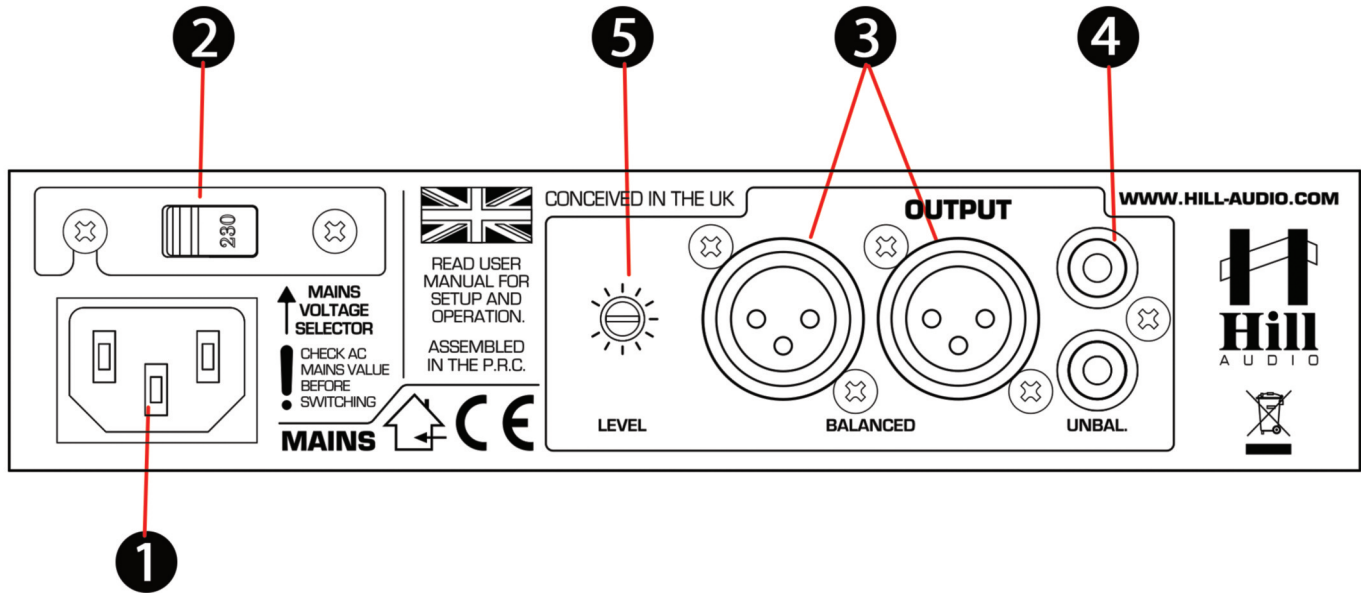
After unpacking, and before plugging the AC cord in the wall outlet, check whether the AC mains voltage and frequency is compatible with this product (see rear panel of product). Whenever the specified voltage or your AC plug should not match the local conditions, do NOT plug the AC cord into the wall outlet and contact your dealer immediately.

AC Mains Voltage Setting

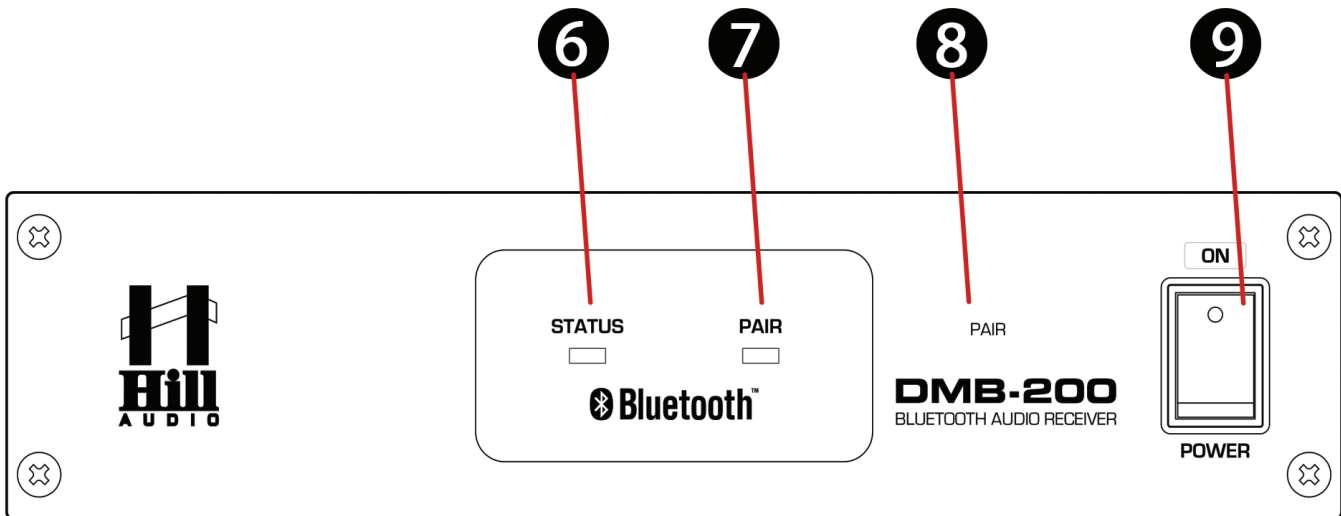
If the AC mains voltage of your power outlet and the setting of the AC supply voltage on your unit do not match, contact your dealer, contractor or a qualified service workshop to change the setting of the AC voltage selector, The AC voltage selector switch is located on the side panel of the unit, close to the AC inlet.

Controls and Connections

Connections - Rear



Connections - Front



1. **AC Inlet.** Use the supplied AC cord to connect the unit to AC mains. Make sure voltage and frequency stated on the unit comply with your local AC supply. Note that this unit does not have an exposed AC mains fuse. Replacement of the internal AC mains fuse requires you to hand over the unit to qualified service personnel.
2. **AC voltage Selector Switch.** Switches the AC supply voltage between 110/115V and 220/230V AC. (See previous chapter for details)
3. **Stereo Main Output.** This is a balanced stereo XLR output.
4. **Stereo Main Output.** This is an unbalanced RCA output carrying the same signal as output. (3)
5. **Maximum level setting for stereo main output.** This control allows you to limit the maximum level at the outputs (3)/(4) in order to match the connected sound system. Adjustments shall be made with a small screwdriver. Note that the total angle is 300 degrees; do not apply excessive force with the screwdriver.
6. **Status LED (Red)** flashes when pairing is taking place.
7. **Pair LED (White)** flashes when the DMB200 is pairing and once the DMB200 is paired.
8. **Pair Button**, is used to start the pairing process.
9. **The On/Off Switch**, is used to turn the DMB200 on and off.

Functional Description

The DMB200 is easy to use, simply pair any suitable Bluetooth device and connect to a PA system, using balanced XLR connections or unbalanced RCA connections. The volume can be pre set on the rear, so once installed the user cannot easily over drive to destruction the PA system.

Connections

The connections can be found on the rear, there is a choice of balanced XLR connections, these can be in-putted straight into balanced in-puts on an amplifier or mixer. As an alternative the unbalanced RCA connectors can be used, these can be connected into any mixer or amplifier with unbalanced RCA connections.

Pairing to a Bluetooth Device

1. Connect the DMB200 to a suitable PA system.
2. Connect a mains power lead to the DMB200.
3. Make sure volume on the connected PA system is not too loud.
4. Hold down the pair button until the status and pair LED's light up, then let go of the pair button. The pair LED should flash slowly white.
5. Then press the pair button once, both status and pair LED's will flash alternatively fast.
6. The users Bluetooth device should recognise the DMB200; It will be listed as "ARX-H1C-BTM64X".
7. The user can pair their device.
8. Once paired the status LED will turn off and the pair LED will flash slowly.
9. The user can now play music tracks from their Bluetooth device.

To connect back to the same Bluetooth device, once the DMB200 is powered down, simply follow process number 4 again, device should connect automatically.

If connecting to another Bluetooth device, follow steps 4-9 again.

Basic Operational Notes

A. Connections.

For connecting this unit to AC mains, please note:

- Check whether the AC mains voltage and frequency is the same as this product is specified for (see rear panel of product). Whenever the specified voltage or your AC plug does not match the local conditions, **DO NOT** plug the AC cord into the wall outlet and contact your dealer immediately.
- Do not operate this unit without the line cord earth ground connected.
To do so may increase the risk of electric shock and increase line cord conducted emissions.

For making audio signal connections, always remember that good and reliable connections are a basic requirement for good sound and reliable operations. Bad soldering of cables can result in intermittent audio signals or temporarily lost ground connections, hence always use good cables. If you are doubtful about making proper connections, please check the standard pin assignments required for proper operation in the following section of this manual.

B. Powering Up

- Following the correct power-up sequence protects your equipment, specifically speakers. Ensure the following procedure is adhered to.
- Turn down all output volume controls of any equipment in your audio system.
- Switch on your audio sources first (Tuners, CD players, PC's with Soundcards, Tapedecks, etc.).
- Switch on the audio mixer.
- Switch on any audio processor between the mixer and the amplifier(s) [if any]
- Switch on the amplifier(s).
- Turn up the audio level on your sources if such controls are provided.
- Set the audio output of your mixer to a low level.
- Set the audio output of any audio processor between the mixer and the amplifier(s) to a medium level (if any such processors).
- Turn up the volume controls of your amplifier(s) slowly.
- Make adjustments to all volume settings as needed.

For switching off, follow the inverse sequence – always switch off your amplifier(s) first, then any processors between mixer and amplifier(s), then the mixer, then the sources.

C. General Advice.

Apart from using suitable equipment, quality efficient sound comes from being competent in your set-up. Level setting mistakes are one of the common reasons why even good equipment may not perform as desired. For setting levels, please be reminded that two guidelines need to be followed.

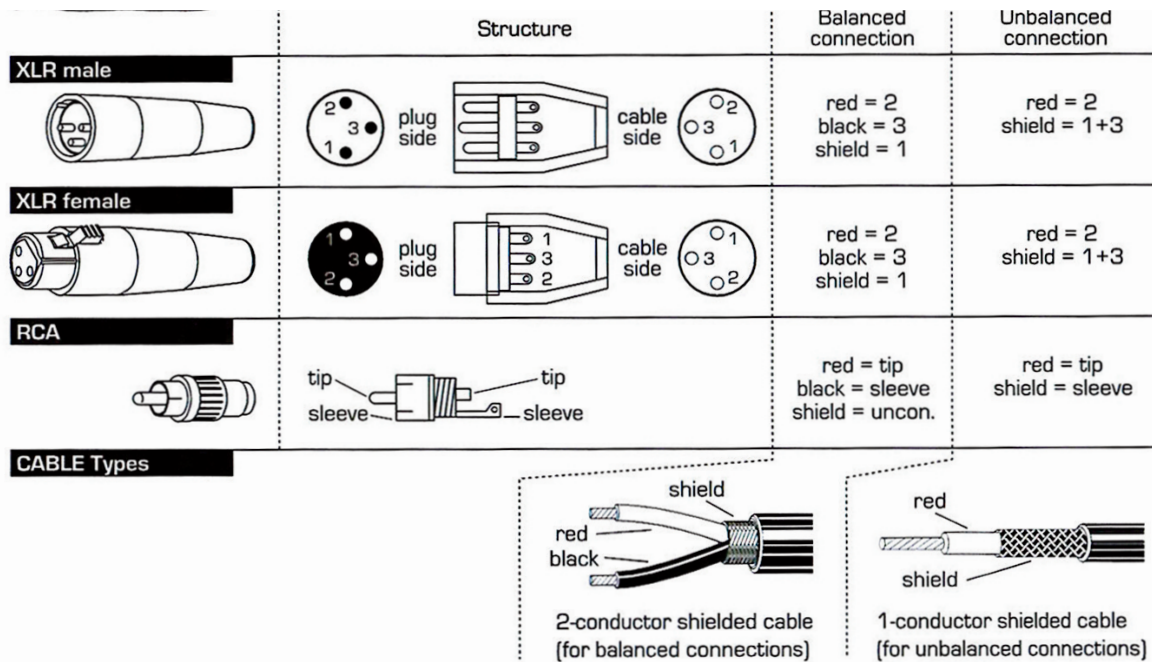
- Avoid distortion by leaving some headroom. Never overrun any audio-equipment's inputs. Level meters and displays allow you to make sure that signals do not enter critical levels.
- Avoid unnecessary amplification by using as little attenuation as possible. Obviously, these two requirements are marking a level window that the operator must match to achieve a good sound with as little distortion and noise as possible.

WARNING HEALTH RISK

Excessive volume levels on headphones or other sound systems may cause damage to hearing. Always turn the volume control to minimum when you switch the unit on, and avoid prolonged exposure to sound pressure levels exceeding 90dB.

Connections

The DMB200 uses the connection types shown below. The pin convention must be followed. Always make sure to use good connectors and cables to ensure proper operation. Balanced connections are to be preferred over unbalanced connections where applicable and feasible. Avoid unbalanced connections exceeding 2m of cable length.



Technical Specifications

AC IN.....110-115V/220-230V AC 50/60 Hz
 Dimensions.....185.0 x 44.0 x 110.0mm WxHxD
 Weight.....0.8kg

Maintenance and Warranty

While we have chosen the best components to make this product as rugged and reliable as possible, some parts in audio products (potentiometers, faders, switches) are subject to wear, which is a matter of operation cycles, and not of time. Whilst providing a full time based warranty according to the country's of purchase requirements on the function of the electronic circuitry, we have to limit the warranty on such electro-mechanical parts to 90 days from the date of purchase.

In many cases, malfunction of electro-mechanical parts occurs due to dust contamination, which may require cleaning of such parts. As the inside of such parts is not accessible, a common practice is to use cleaning fluids in the shape of sprays. Please be reminded that many of such fluids contain chemicals which may wash away the dust but at the same time corrode or damage contact surface and may cause cosmetic damage to other parts. We hence explicitly exclude any claims for exchange of damaged part due to mechanical or chemical impact.