

USER MANUAL

HI-RES Digital BT DAC Amplifier



Model: DC-200K

2.1ch Class D Karaoke Amplifier

1.Introduction

1.1The **DC-200K** is a Hi-Res 2.1-channel Class D Bluetooth Karaoke amplifier with compact design and powerful 120W output.

2.Specification

2.1 Model:DC-200K

Bluetooth Name	DC-200K
Bluetooth Version	5.2 > upto 49FT distance
Audio Input	USB/RCA/Optical
Audio Output	Speaker output/AUX
Power Output	60Wx2ch=120W@4Ω
SNR	≥102dB
THD	0.05%
Power Amplifier Chip	TPA3116*2
Terminating Impedance	4-8Ω
DSP	Built in DSP EQ control
DAC	Sampling rate to 192Khz/24bit
Frequency Response Range	20Hz-20kHz(±1.2dB)
Support Lossless audio format	MP3/WMA/AAC/AAC+/ALAC/F LAC APE/WAV
Remote control	Full Functional IR remote control
Power Adapter	24/5A

DC Input Range	12-24V
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Note: You need a more powerful power supply to get the MAX 100W x2 power output, such as 24V/10A

3.What's in the box

Bluetooth Karaoke Amplifier x1

Bluetooth Antenna x1

AC/DC Power adapter x1

User Manual x1

AV cable x1

4.Product over view

4.1 Front Panel:



- **LCD Display:** Shows USB / BT / Line/Optical mode
- **IR Sensor:** Receives remote signals
- **Dual Mic Inputs:** Wired & wireless mics
- **Multi-Function VOL/MODE Knob:**
 - 1.**Rotate:** Volume up/down

2.Short press : Switch input mode

3.Long press : Clear Bluetooth pairing

4.2 Back Panel:



- **Speaker output:** Connect to passive speaker, Powered speaker
- **R-L input:** Connect the device to amplifier with RCA cable
- **Optical input:** Digital audio via optical cable.
- **SUB output:** Connect to subwoofer speaker, powered speaker
- **AUX output:** Connect to the device with AUX cable
- **USB input:** Connect external USB flash drive and HDD
- **DC Port:** 12V-24V

5.Remote control

1. Power: Power on/off
2. MIC+ / MIC-: Used to increase or decrease the microphone volume level
3. Play/Pause: Play or pause current Music track
4. Volume+/-: Amplifier volume increase and decrease
5. Next: Skip to next audio playback
6. Pre: Skip to the last audio playback
7. ECHO+ / ECHO-: Used to increase or decrease the microphone echo effect
8. MODE: Switch to RCA, USB and BT mode
9. BASS+/BASS-: Used to increase or decrease the bass volume level
10. TREBLE+/TREBLE-: Used to increase or decrease the treble Volume level
11. MUTE: Silences the Amplifier audio.



6.1 Preparation Steps for JAMP79 Amplifier

Step 1: Gather the following items:

- JAMP79 amplifier
- 24V DC power supply (as required)
- Passive speakers or active speaker/subwoofer
- Speaker wires or banana plugs

Step 2: Connect the JAMP79 to passive speakers using speaker wires or banana plugs.

(If using an active speaker or subwoofer, connect it via the LINE OUT port instead.)

Step 3: Connect the 24V power adapter to the amplifier's DC input port.

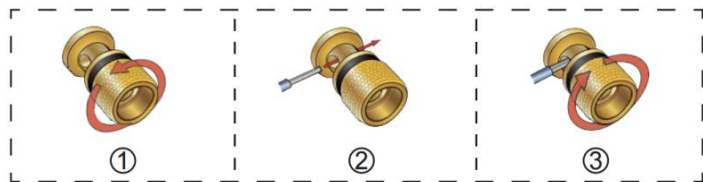
Step 4: Press the power switch button to turn on the JAMP79 amplifier.

6.2 How to connect the speaker wire?

Method 1: Bare wire connection illustration

- ① Release the horn terminals block terminals;
- ② Insert the two ends of the speaker wire into the amplifier and speaker terminal holes;
- ③ Tighten the horn terminals.

Note: Please make sure that the speakers' wire are not attached with each other, the speaker connection area is very narrow, it is easy to cause the positive and negative speakers' wires to contact each other, which will result in no sound output.



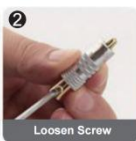
Method 2: Banana plugs connection illustration

- ① Release the banana jacket;
- ② Loosen the screw;
- ③ Insertion speaker wire and tighten the screw;
- ④ Tighten the banana jacket;

⑤ Insert the banana plug into the horn terminals of the speaker and amplifier.

Note: Please make sure that the speakers' wire are not attached

with each other, the speaker connection area is very narrow, it is easy to cause the positive and negative speakers' wires to contact each other, which will result in no sound output.



7. Bluetooth Input Mode

Prepare: A Bluetooth device (e.g., smartphone)

Steps:

- 1.** Short press the Multi-Function Knob or press the BT button on the remote to switch to Bluetooth mode.
- 2.** Enable Bluetooth on your device and search for “JAMP79” to connect.
- 3.** Open your audio app, play music, and enjoy!

Note:

To clear the Bluetooth connection, long press the Multi-Function Knob for 5 seconds.

8. Line Input

Prepare: An audio source (e.g., TV) and an RCA cable.

Steps:

- 1.** Short press the Multi-Function Knob to switch the input mode to LINE.
- 2.** Connect the TV's audio output to the amplifier's Audio Input using the RCA cable.
- 3.** Turn on the TV, play audio, and enjoy!

9. U-Disk Input

Prepare: a U-disk (USB flash drive)

Steps:

- 1.** Short press the Multi-Function Knob to switch to USB input mode, or press the USB button on the remote control.
- 2.** Insert the U-disk into the USB port on the back panel.
- 3.** The DC-200K will automatically recognize and play the supported music files. Enjoy!

Note:

- a. Maximum U-disk capacity: 64GB
- b. Maximum file size: 100MB per file
- c. Support USB2.0 only

10. Optical Input

Prepare: An audio source (e.g., TV) and an optical cable.

Steps:

- 1.** Short press the Multi-Function Knob to switch the input mode to OPT.
- 2.** Connect the TV's optical audio output to the amplifier's Optical Input using the optical cable.
- 3.** Turn on the TV, play audio, and enjoy the sound!

11.Safety Information

- 1.**Do not expose the amplifier to water, moisture, or extreme temperatures to prevent fire or electric shock.
- 2.**Avoid placing the device near heat sources or in direct sunlight.
- 3.**Ensure proper ventilation around the device; do not block any ventilation openings.
- 4.**Use only the specified power supply (e.g., DC 24V/5A) to prevent damage or hazards.
- 5.**Do not insert any objects into the amplifier's openings to avoid electric shock or damage.
- 6.**Disconnect the power before cleaning or servicing the device.
- 7.**Use a dry cloth for cleaning; do not use liquid cleaners.
- 8.**Keep the device out of reach of children to prevent accidental injury or damage.
- 9.**Do not attempt to repair or modify the device yourself; unauthorized repairs may void the warranty and cause safety risks.
- 10.**In case of thunderstorm or lightning, unplug the device to protect it from power surges.
- 11.**If the device will not be used for an extended period, disconnect the power supply.

FAQ (Frequently Asked Questions)

Q1: How do I connect my device via Bluetooth?

A: Ensure the amplifier is in Bluetooth mode. Enable Bluetooth on your device, search for “JAMP79” (or your model), and pair.

Q2: Why can't I hear any sound?

A: Check that the volume is turned up on both the amplifier and your source device. Verify the correct input mode is selected.

Q3: How do I clear the Bluetooth pairing list?

A: Long press the Volume Knob for 5 seconds to clear all paired Bluetooth devices.

Q4: What types of audio files does the USB support?

A: The amplifier supports common formats like MP3, WAV, and WMA. Please ensure individual file size does not exceed 100MB.

Q5: Can I use wired and wireless microphones at the same time?

A: Yes, the amplifier supports simultaneous use of wired and wireless microphones.

Q6: What should I do if the remote control is not working?

A: Check the battery status, ensure there are no obstacles between the remote and IR sensor, and confirm you are within the operating distance.

Q7: How do I reset the amplifier to factory settings?

A: Currently, there is no dedicated reset button. Clearing Bluetooth connections can be done by long pressing the volume Knob. For other resets, please contact technical support.

Q8: What power supply does the amplifier require?

A: Use the supplied power adapter with output DC 24V/5A only.

FCC Caution:

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.