



Daptor Three™
Wireless Audio Interface
User Guide

JK Audio

Welcome

Thank You

Thank you for purchasing the JK Audio Daptor Three. Please read this guide for instructions on setting up and using your new product.

Getting Assistance

If you have any questions:

Call us at:

815-786-2929

Email us at:

support@jkaudio.com

Or, check out our FAQ section for answers to common questions.

Limited Warranty

Daptor Three is covered by a 1 year warranty to be free from defective workmanship and materials. To obtain service, contact JK Audio by phone or email for return authorization.

Once authorized, you will carefully pack and ship the faulty product and all accessories to us. You will pay for shipping to us and we will pay for return back to you.

This warranty does not cover damages due to accident, weather, fire, flood, earthquake, misuse, unauthorized repairs or modifications, or damages occurred in shipping, only defective workmanship or materials.

There are no expressed or implied warranties which extend beyond the warranty here made.

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Features



1	9V Battery Drawer	5	Balanced XLR Line In
2	Bluetooth LED	6	Balanced XLR Line Out
3	Multi-Function Button (MFB)	7	3.5 mm Stereo Line Input
4	Stereo LED	8	3.5 mm Stereo Line Output

Introducing Daptor Three

Daptor Three is a simple, professional audio interface using *Bluetooth* Wireless Technology. Daptor Three connects to your cell phone like any other *Bluetooth* enabled headset. It will also connect to any other product, such as a laptop, that allows a wireless headset connection.

Transmit, Receive or 2-way Hands-free.

Daptor Three functions as either a Master or Headset device. In Master mode, Daptor Three connects to headsets or headset type devices, transmitting A2DP audio, or initiating a 2-way voice band connection to a headset. In Headset mode, Daptor Three connects to wireless phones, computers, or Bluetooth dongles, receiving A2DP audio or a 2-way Hands Free connection.

HD Voice

While standard phone calls have a narrow bandwidth of 300 Hz to 3.4 kHz, HD Voice calls offer 50 Hz to 7 kHz bandwidth. The additional 1.5 octaves on the low end gives voice a more natural sound, while the additional upper octave dramatically improves speech clarity and intelligibility.

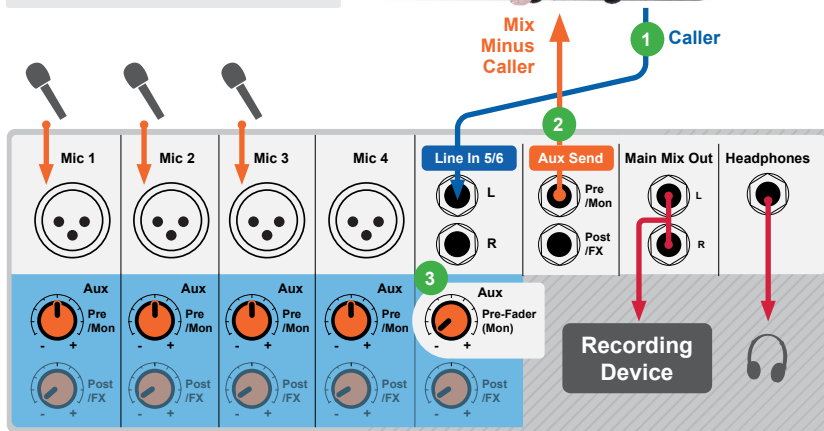
Wireless HD Calls

HD Voice is available on many third party headsets and cell phones. To take advantage of this extended bandwidth, both phones on the call must support HD Voice, and both phones must be on the same carrier, in coverage areas that support HD Voice.

Setup



Optional: You may use the TRS jacks on side of Daptor Three instead of the XLR jacks on the bottom.



1. Connect either **<Line Out>** to any **Line Level** input on your mixer or other audio equipment.
2. Connect the mixer's Mix-Minus bus or **Aux Send** output (this may be labeled **FX** or **Mon** but any Aux bus will work) to either **<Line In>** on Daptor Three. You may use either the XLR input or 3.5mm input, not both.
3. Whichever input channel that Daptor Three's **<Line Out>** is connected to, turn the corresponding **Aux** control to minimum. All **Aux** controls for other channels should be set for audio sent to the phone line. Each **Aux Send** bus is completely separate from all other outputs, so these Aux controls will not affect what is heard on the Main outputs or on any other Aux buses.

Tip: Using an Aux Send bus that is **Pre-Fader** allows you to control the levels of each channel to the main output without affecting what is sent to the phone line.

4. Pair Daptor Three to your wireless phone or notebook computer. See **(pages 4-8)**. Your device will recognize Daptor Three as a headset which will disable the internal mic and speaker. Connect a microphone and headphones to your mixer or other audio equipment.

Note: Wireless phones generate substantial radio frequency (RF) noise during a call which can leak into your audio cables and equipment. If you notice a problem with RF noise, be sure to keep your wireless phone one to two feet from your mixer and other audio equipment.

Bluetooth Wireless Technology

Pairing Mode

From the **powered-off** state*, hold the silver **Multi-Function Button (MFB)** button for **6** seconds, then release to activate *Pairing Mode*.

In *Pairing Mode*, any *Bluetooth* enabled device within range can pair with your Daptor Three. When you're first connecting to a new device, you should be in an environment with no other *Bluetooth* wireless technology enabled devices within range that might also be in *Pairing Mode*.

Once the pairing process is complete the unique device ID is stored in Connection History. Subsequent connections can be made from *Idle Mode*.

Idle Mode

From the **powered-off** state*, hold the silver **MFB** button for **2** seconds, then release to activate *Idle Mode*.

In *Idle Mode*, Daptor Three searches for paired devices.

Connected Mode

After bonding is complete, the connection to that device is secure. Daptor Three returns to *Idle Mode* when a connection is dropped or terminated.

*See page 8 for instructions on how to turn off Daptor Three.

Bluetooth Wireless Technology

Pairing to a Cell Phone

Daptor Three in **Headset Mode** (pg7)

1. From the **powered-off** state*, press and hold the **MFB** button on Daptor Three for approx. **6** seconds. Upon release, the blue LED will flash rapidly as Daptor Three enters *Pairing Mode*.

The Stereo LED will flash **Red** during the button press to verify Headset Mode.

2. On your device, find and select the option to set up a connection. Once found, Daptor Three's device ID is "**JKDAP3xxxx**" where: **xxxx** is the last four digits of the serial number.

Note: Connecting via *Bluetooth* wireless technology varies with different cell phones.

3. If asked for a pin, enter "**0000**".
4. When bonding is complete, the blue LED will flash at a slower rate.

Pairing to a Headset Device

Daptor Three in **Master Mode** (pg7)

1. Following manufacturer's instructions, set your headset type device to *Pairing Mode*.

If the Pin on the headset device is not "0000", Daptor Three will not be able to pair with it.

2. From the **powered-off** state*, press and hold the **MFB** button on Daptor Three for approx. **6** seconds. Upon release, the blue LED will flash rapidly as Daptor Three enters *Pairing Mode*.

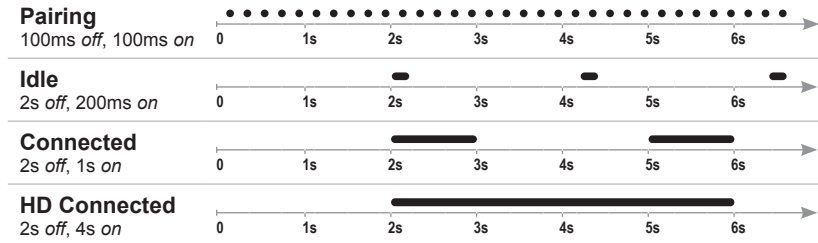
The Stereo LED will flash **Green** during the button press to verify Master Mode.

3. When bonding is complete, the blue LED will flash at a slower rate.

Bluetooth Wireless Technology

Bluetooth Status LED

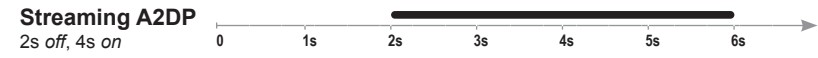
The blue LED on the top of the unit flashes in different sequences to indicate the current connection status.



Stereo (A2DP Stream) LED

The second LED on the top of the unit flashes **Red** or **Green** to indicate:

- Red:** Daptor Three is **Receiving** Stereo A2DP audio from the Master Device
- Green:** Daptor Three is **Sending** Stereo A2DP audio to a Headset Device.



Bluetooth Wireless Technology

Master or Headset Mode

The Stereo LED indicates whether the Daptor Three is in **Headset** or **Master Mode** upon initiating a connection.

Red = Headset mode

Green = Master mode

How to switch between Headset and Master Mode

1. Hold the **MFB** button down for **12** seconds from the **powered-off** state, then release to change roles.
2. The next time a Bluetooth connection is enabled on your Daptor Three, the Stereo LED will flash **red** or **green** to verify if it is in **Headset** or **Master mode**.
3. Daptor Three will keep this role until it is changed again.

Master Mode Streaming State

Simply tap the **MFB** button to toggle between stereo A2DP and mono Hands-Free profiles. This can only be done while the unit is in **Master mode**.

Note: The stereo LED will not be lit when the Hands-Free profile is in use.

What is the Difference between Bluetooth Profiles?

A2DP (17 kHz Stereo):

(Advanced Audio Distribution Profile):
Simplex stereo music streaming.

Hands-Free (3.4kHz Mono / 7kHz HD Mono):

Facilitates full-duplex audio between two paired devices. Allows the receiving device more control over the call, such as volume, accept/reject/end a call.

Bluetooth Wireless Technology

Disconnecting from a Device

To disconnect from a device, turn off *Bluetooth* on your phone or power off the connected device. Alternatively, turn off the Daptor Three.

If left unused in *Idle* or *Pairing Mode*, the Daptor Three will automatically disconnect in two minutes and power off.

How to turn off Daptor Three

From the **powered-on** state, hold the **MFB** button for **5** seconds, then release to turn off. Alternatively, you may simply remove the battery from Daptor Three to turn it off.

If the blue LED continues to flash or blink after releasing, then the *Bluetooth* button was:

- a) released too early.
- b) held more than 17 seconds.
- c) pressed after Daptor Three was left unused and powered off automatically.

Connection History

Daptor Three retains a history of the 16 most recent devices. To clear connection history and return to factory default, with the Daptor Three powered off, hold the **MFB** button in for at least **22** seconds. After resetting, the Daptor Three will return to *Pairing Mode*.

Reconnecting to Paired Devices

To reconnect to a device saved in **Connection History**, the Daptor Three should be in *Idle Mode* (pg 4).

Master Mode: Daptor Three will automatically connect to a paired device that is Bluetooth-enabled, powered-on and within range.

Headset Mode: Daptor Three will likely need to be selected in your phone's Bluetooth paired devices list.

What is the range of the Bluetooth transmitter/receiver?

Daptor Three will transmit and receive audio signals up to 66 feet (20 meters) from your Bluetooth device. Because transmitting signals over longer distances will require more power, you should keep Daptor Three close to your Bluetooth device to conserve battery power.

Why is the audio so loud/quiet?

The first step in setting levels should be adjusting your phone volume control to obtain a clear, healthy signal. You may then adjust the gain on your other audio equipment to fine tune the levels.

Can I send and receive audio at the same time?

Yes. Daptor Three is capable of sending and receiving audio at the same time.

How long will the battery last?

Based on our lab tests using a standard alkaline battery with Daptor Three about 1 meter from your *Bluetooth* device, the battery should last for about 18 hours under normal use. Lithium batteries can add 3 to 4 times the battery life, at 3 to 4 times the cost. As an indicator of low battery, the blue LED will grow dim and then extinguish a short while before the battery is completely exhausted and the unit shuts down.

Technical Information

Specifications

Input

Balanced Female XLR:	20k ohms, -4 dBu nom
1/8" (3.5mm) Stereo:	20k ohms , -10 dBu nom

Output

Balanced Male XLR:	200 ohms, 0 dBu max
1/8" (3.5mm) Stereo:	200 ohms, -6 dBu max

Bluetooth Wireless Technology

Standard:	Bluetooth 3.0
Range:	66 feet (20 meters)

Frequency Response	Hands-Free (Full Duplex): 300 Hz– 3.4 kHz Hands-Free (Full Duplex HD Voice): 50 Hz– 7 kHz A2DP (Master » Headset): 30 Hz– 17 kHz A2DP End-to-End Latency = 150ms
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Misc

Power:	> 18 Hours on one 9-volt battery
Size:	4.4" x 2.7" x 1.2" (11.2 x 6.9 x 3.5 cm)
Weight:	7 oz.

FCC Compliance Notice

FCC Part 15 Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used

in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by JK Audio can void the user's authority to operate the equipment.

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