

Wireless Phone Compatibility

Support Team
JK Audio, Inc.

Sending and receiving audio through a wireless phone offers many challenges. There has never been a true interface standard from model to model. While we may be experts at wireless phone interface, it's not easy when the target keeps changing. We simply cannot promise compatibility with every make and model, but we never stop trying.

Headset Connectors

Most of our wireless phone interface products include both our CN113 3.5 mm, 4-conductor wireless phone interface cable, (compatible with most iPhones, Android phones, and notebook computers), as well as our CN045 2.5 mm, 3-conductor wireless phone interface cable (for use with older, Legacy wireless phones).

Again, not all wireless phone headset jacks are alike. Some manufacturers choose to configure their headset jacks with a proprietary configuration, such as a 2.5 mm or 3.5 mm, 4-conductor headset jack with different wiring (Nokia), or a mini-USB jack. For those wireless phones with proprietary headset jack configurations, an after-market adapter designed specifically for that headset jack will be necessary to interface with either of our wireless phone interface cables.

As with all third party adapters, check with the manufacturer for compatibility with your wireless phone model.

If your wireless phone has *Bluetooth* Wireless Technology, you can use the following *Bluetooth* enabled interface product to connect your cell phone to your audio equipment:

<http://www.jkaudio.com/bluedriver.htm>

<http://www.jkaudio.com/bluekeeper.htm>

<http://www.jkaudio.com/bluepack.htm>

<http://www.jkaudio.com/blueset.htm>

<http://www.jkaudio.com/daptor3.htm>

<http://www.jkaudio.com/interloop.htm>

http://www.jkaudio.com/remotemp_blue.htm

<http://www.jkaudio.com/remotemix-3-5.htm>

<http://www.jkaudio.com/remotemix-4.htm>

Be sure to also check out our own *Bluetooth* headset, BSET-HS1:

<http://www.jkaudio.com/bset-hs1.htm>

2-Way Radio Service

We strongly discourage using any of our products with any wireless phone equipped with 2-way radio capability such as Nextel push-to-talk service. These phones emit strong RF pulses during paging that can interfere with any audio equipment in the vicinity.

What is Sidetone, and why do I need it?

If you intend to use a JK Audio CellTap to record your wireless phone interviews, your next consideration is the issue of sidetone. Sidetone is a return of your voice from the microphone to the earpiece. Sidetone enables you to hear yourself as you speak into a headset, ensuring that you are talking directly into the mic. An increasing number of wireless phone manufacturers have removed sidetone from their phones to avoid problems with feedback. CellTap allows you to record the signal that goes to the earpiece. If your voice is not present at the earpiece output, it cannot be recorded. This is a function of the telephone, not CellTap.

A quick way to test your wireless phone for sidetone is to connect your headset and place a call to someone. Listen carefully in the earpiece to see if you can hear your own voice when you speak. If you can hear your voice, it will likely allow a good recording of both sides of the conversation. If you cannot hear your voice, you might consider changing phones, or consider using a microphone and headphones along with one of our other wireless phone-enabled products.

On the plus side, the lack of sidetone, together with the use of a professional microphone and headphones, allows a wireless phone to provide a recording or audio output similar to a digital hybrid. Most broadcasters pay extra for an interface that removes that removes sidetone.

Satellite Phones

A satellite phone should also work well if it has a standard 2.5 mm headset jack, or if it is equipped with a fax/modem RJ11 jack. Use the CN045 wireless phone adapter cable supplied with any JK Audio wireless phone interface to connect to the 2.5 mm headset jack, or connect the fax/modem jack of your satellite phone to the RJ-11 jack on a JK Audio ComPack or any of our RemoteMix products.

JK Audio Wireless Phone Interfaces

BlueDriver

Our BlueDriver™ series audio interfaces use *Bluetooth Wireless Technology* to send and receive audio from your professional audio equipment.

BlueDriver-F3™ plugs directly into a dynamic mic or the mic level output from a mixing console. Pair to your Bluetooth enabled wireless phone or headset. The 3.5 mm stereo jack contains a mic level output suitable for recording, with the clean mic signal on the left channel and the *Bluetooth* return on the right.

BlueDriver-M3™ plugs into the mic input channel of a mixer. Pair to your *Bluetooth* equipped wireless phone or headset. The 3.5 mm jack will accept a signal from the headphone output of the mixer for transmission back to the wireless phone or headset.

<http://www.jkaudio.com/bluedriver.htm>

BlueKeeper

BlueKeeper combines *Bluetooth Wireless Technology* with professional audio electronics in a convenient desktop design. BlueKeeper pairs to your wireless phone like a *Bluetooth* wireless headset. Simply connect your favorite microphone and headphones and enjoy an immediate improvement at both ends of the call. The professional microphone preamplifier provides a dramatic improvement in sound quality to the caller (or back to the station if you are away from the studio). The caller audio comes in loud and clear over the convenient front panel headphone jack.

<http://www.jkaudio.com/bluekeeper.htm>

BluePack

BluePack pairs to your wireless phone like a *Bluetooth* wireless headset. This professional microphone preamp and powerful headphone amplifier make sure the message gets through. A 3.5 mm stereo line input jack allows recordings to be mixed into the broadcast. BluePack allows live man-on-the-street interviews through a cell phone equipped with *Bluetooth* Wireless Technology. This sleek belt pack provides a professional look and feel to field reporters and remote talent.

BluePack now features HD Voice technology, allowing 7 kHz Wide Band Speech when used with compatible phones on compatible networks. [Read our HD Voice primer for more details.](#)
<http://www.jkaudio.com/bluepack.htm>

BlueSet

JK Audio introduces the BlueSet™ series of intercom headset adapters using *Bluetooth Wireless Technology*. These headset interfaces plug directly into most Party-Line (PL) belt packs, replacing the wired headset. A 3.5 mm stereo headset jack contains a mic level output signal suitable for recording, with the beltpack headphone signal on the left channel, and the *Bluetooth* return signal on the right. A switch selects between connection to a 3rd party *Bluetooth* headset or a wireless phone.

<http://www.jkaudio.com/blueset.htm>

CellTap

CellTap is the simplest way to record your wireless phone conversation. Connect the supplied cable from CellTap to the headset jack of your wireless phone, and then connect the output to your portable recorder or to the mic input on your computer. Now connect your headset to CellTap. You get a balanced mix of your audio and the caller's audio on your recording. You can even connect this output to a powered speaker so a group of people can hear the conversation, while only the person wearing the headset can speak to the caller.

<http://www.jkaudio.com/celltap.htm>

ComPack

This is a very versatile tool that can access audio through your wireless phone, an analog or digital PBX system, or a standard analog phone line. Use ComPack for remote broadcasts, IFB feeds, or to conduct interviews over any phone connection. You can connect your mic and headphones directly to ComPack. The balanced XLR output can be connected to a mixer or to a recording device. ComPack also functions as a simple telecom interface for your beltpack

intercom system. This no-frills feature allows you to connect the 3 pin male XLR to your belt pack party-line intercom system. This provides a full duplex, always-on connection to any telephone network.

<http://www.jkaudio.com/compact.htm>

Daptor One

Daptor One converts the headset jack on your wireless phone to a modular phone line jack. This modular RJ-11 jack connects directly to any JK Audio RemoteMix series mixer. While some wireless phones have the 2.5 mm jack directly on the phone, others require a headset adapter which converts their proprietary connector into the 2.5mm jack. Daptor One contains a mini hybrid circuit that converts these earpiece and microphone signals into a balanced RJ11 phone line signal. The mic signals from the RemoteMix are sent into the wireless phone, while the earpiece signals from the wireless phone are sent into the RemoteMix Headphones. You will continue to use your wireless phone to dial or answer the call, but you will use the microphones and headphones plugged into your RemoteMix during the call.

<http://www.jkaudio.com/daptor1.htm>

Daptor Two

Use Daptor Two to connect your wireless phone to your audio equipment. It will provide balanced and unbalanced audio connections to your wireless phone. Daptor Two comes with two specially designed cables (the CN045 and CN113) that are compatible with most wireless phones with a 2.5 mm (TRS) headset jack or 3.5 mm (TRRS) headset jack that accepts a standard third party headset or earpiece. Your wireless phone will recognize Daptor Two as a headset which will disable the mic and speaker in the wireless phone. You can now send and receive audio from your mixer or tape recorder through the wireless phone. You can adjust volume levels on your mixer and on your wireless phone for best performance.

<http://www.jkaudio.com/daptor2.htm>

Daptor Three

Use Daptor Three to connect your *Bluetooth Wireless Technology* enabled wireless phone to your audio equipment. It will provide balanced and unbalanced audio connections to your wireless phone. Daptor Three will link up with your wireless phone just like any *Bluetooth* enabled headset. Connecting in Hands Free mode to a wireless phone will allow 3.4 kHz telecom bandwidth. Daptor Three will transmit and receive audio signals up to 25 feet from your *Bluetooth* device.

<http://www.jkaudio.com/daptor3.htm>

Interloop

Interloop™ works with industry standard Two-Wire, Party-Line intercoms, connecting to the existing intercom system like any other belt pack. Using *Bluetooth Wireless Technology*, Interloop™ allows wireless connection to a variety of audio devices. A rear panel switch selects Headset or Phone connection. Headset mode allows you to connect to a Bluetooth enabled headset for wireless freedom. Phone mode allows you to connect to a wireless phone to let others join in, or connect to a notebook or laptop to provide remote voice access using communications applications such as Skype™.

Interloop now features HD Voice technology, allowing 7 kHz Wide Band Speech when used with compatible headsets or phones on compatible networks. [Read our HD Voice primer for more details.](#)

<http://www.jkaudio.com/interloop.htm>

RemoteAmp Blue

RemoteAmp Blue allows IFB monitoring through a wireless phone equipped with *Bluetooth Wireless Technology*. This is a listen only connection designed for voice IFB or full bandwidth stereo music listening.

http://www.jkaudio.com/remotemp_blue.htm

RemoteMix One

RemoteMix One™ performs live man-on-the-street interviews through your wireless phone and can provide two-way IFB connections through a wireless phone or notebook for truly flexible remote monitoring. Connect to wireless phones and notebooks through the wired headset jack. This professional microphone preamp and powerful headphone amplifier provide a vast improvement in sound quality. A 3.5 mm stereo line input jack allows recordings to be mixed into the broadcast. The 3.5 mm stereo line output jack provides your full bandwidth microphone signal on the left channel and the return audio on the right channel.

<http://www.jkaudio.com/remotemix-one.htm>

RemoteMix 2

RemoteMix 2 is a two-channel field mixer / headphone amplifier built for the remote broadcast environment. More than just a field mixer, RemoteMix 2 provides a communications interface for remote broadcast, IFB, or a backup audio path. The integrated headphone amplifier provides sidetone to monitor all inputs plus an external feed. RemoteMix 2 features a phone line hybrid with keypad along with a wired notebook/cell phone headset interface.

<http://www.jkaudio.com/remotemix-2.htm>

RemoteMix 3.5

The RemoteMix 3.5™ is a three-channel field mixer and headphone amplifier. More than just a field mixer, this is a universal communications interface. RemoteMix 3.5™ features a phone line hybrid and keypad, a PBX handset interface, and both wired and *Bluetooth* wireless phone interfaces.

<http://www.jkaudio.com/remotemix-3-5.htm>

RemoteMix 4

This four channel field mixer combines a four channel headphone amp with a cell phone interface, *Bluetooth Wireless Technology*, a phone line hybrid and keypad, and a universal PBX handset interface, all in a tough, portable unit. Phantom power is available on all four microphones. RemoteMix 4 also features a balanced XLR output, mini jack input and output, last number redial, and a Bass Boost to make this all-in-one field mixer ready for anything.

<http://www.jkaudio.com/remotemix-4.htm>