

Thank you for selecting the Fender Passport Wireless System. Before installing or operating this system please read this instruction manual thoroughly and familiarize yourself with the system components and correct operating procedures.

## **What is covered in this manual**

Descriptions, installation and usage for the Passport Wireless Handheld System, Passport Wireless Executive System and Passport Docking Receiver are covered in this manual.

## **Overview**

The Fender Passport Wireless Systems are unique, extremely simple, yet effective systems, which provide high quality, reliable wireless microphone operation.

The Fender Passport Wireless System combines high technology design with the latest construction methods and high quality components for superior performance in all applications. Fender's fifty-plus years of experience in building professional instruments gives us a clear understanding of the importance of reliable and consistent operation show after show. Your choice of this high quality system will result in years of reliable service.

## **Design Notes**

In keeping with the principles of ease of use and reliability, the Passport Wireless System accessories for the Passport family of products is designed to require little or no additional operations or adjustments before each use. In fact these wireless systems require less set-up than even the normal wired microphone! Once installed, the only requirement of the operator is to make sure the microphone/ transmitter is fitted with a fresh battery.

## **Systems**

### ***The Passport Wireless Handheld System***

Contains a handheld wireless microphone (transmitter) and custom-designed docking receiver.

### ***The Passport Wireless Executive System***

Contains a belt-pack transmitter, a lavalier microphone, a headset microphone, an instrument cable, and a custom designed docking receiver.

*An additional transmitter may be purchased separately to compliment either system. Make sure to order any additional transmitters in the correct frequency. Consult your Fender dealer for details and options.*

## **Wireless Components**

### ***Transmitters***

#### **Handheld Microphone (Handheld System)**

The Fender Handheld microphone and transmitter is a high quality microphone combined in a compact and lightweight package. The microphone element is a professional, electret-condenser type with very low handling noise, excellent frequency response and cardioid pattern characteristics.

The Handheld microphone uses a 9v battery in the lower battery housing. To replace, simply remove the bottom section by twisting counter clockwise. Note the plus and minus signs and make sure to insert the battery in the correct direction and orientation. Take care to not cross threads in the housing when replacing.

An ON/OFF switch is the only control on the unit. When the switch is moved to the ON position the LED indicator should momentarily flash red. If the LED stays on, the battery level is too low for normal operation.

## **Belt Pack Transmitter Unit (Executive System)**

The Belt Pack transmitter has a 4-pin input connector for use with the interchangeable microphones and instrument cable. The microphone and instrument cables have a miniature jack plug. These have threaded collars to assure secure attachment to the transmitter. When attaching an input source, make sure to insert its jack plug, then turn clockwise to lock into place.

Located on the front panel is an on/off switch and battery low indicator. The Power LED will flash briefly upon turn-on when the battery is in good condition. When the LED is on continuously, the battery level is too low for normal operation.

On the side of the transmitter are level controls. A level switch provides two input level settings – GT (electric guitar) and MT (microphone). When in the MT position, the Gain control adjusts the input gain for the microphone. The gain is fixed (and the gain control is inoperative) when in the GT position.

The transmitter uses one 9-volt alkaline battery, with the battery compartment accessed on the lower right side. Take care to place the battery into its housing in the correct direction. Look carefully at the battery and identify the plus or positive terminal.

### **Lavalier Microphone**

For general purpose public speaking a lavalier microphone, sometimes known as a lapel microphone, can be very effective. One advantage of this type of microphone is its relative invisibility. The microphone element is an electret-condenser type.

### **Headset Microphone**

This microphone is essentially of the same type as the lavalier microphone. Fender's design features a number of advantages for entertainment and presentation applications. The Fender headset system can be worn securely and comfortably even when used by physically active performers or instructors. It is designed to go underneath and around the hairline at the back of the neck and fix lightly but securely to the ears of the user.

The headset assembly has a number of adjustments. The neckband is adjustable for size and fit. The pivot arm tension and length can be adjusted. Do not adjust the arm without loosening the screws slightly.

### **Instrument Cable**

The instrument cable allows virtually noise-free, high quality wireless transmission of instruments or line level sources. The cable simply plugs directly into the source instrument and the transmitter.

## **Receiver**

### **Custom Docking Receiver**

The wireless receiver is built into the "docking" unit that mounts inside Passport's storage compartment. All power, audio and antenna connections are built into the docking receiver.

When you install the docking receiver, audio connections are automatically made to input channel one of the Passport. In other words, input channel one is now dedicated to the Wireless System. The Wireless Systems come with "blanking plugs" (install in the XLR and ¼" jacks for channel one) intended as a reminder that this input is in use.

### **Docking Receiver Indicators**

The Passport docking receiver receives power from the Passport. When the Passport main power switch is on (\*), the red "Power" LED on the Wireless docking receiver will illuminate.

*\* For DC operation only: The Passport front panel ON/OFF switch is not operational when used with a DC-DC converter. The Passport is turned on and off via the DC Converter On/Off switch. The Wireless Module power LED (red) will illuminate as normal.*

The "Signal Present" Green LED on the docking receiver will illuminate when the transmitter is turned "on"- showing the receiver is "seeing" a signal from your transmitter.

### **Tone Key**

With the Passport Wireless System, the transmitter and receiver are locked to a specific tone key frequency that is carried "invisibly" with the signal from the transmitter. If the receiver loses this tone key, it soft-mutes the output of the receiver. In this way, should for example, the battery run low in your transmitter, and its transmission is interrupted, no annoying noises or spurious signals will be fed to the system.

A second advantage to this tone key system is that the transmitter can be turned on and off without having to turn off the receiver – or mute its channel on the Passport.

# Setting Up

## ***Unpacking***

Your Passport Wireless System (or accessory) was packed with care at the factory. The shipping carton was designed to protect it during initial shipment. Please retain this carton in the unlikely event that you need to return your Passport Wireless for servicing.

Remove the Docking Receiver and the transmitter (either Handheld or Belt pack) from their respective packaging and check that nothing is missing and/ or damaged from shipping.

Confirm that the Receiver and Transmitter are of the same frequency. If you find the pieces are NOT the same frequency please contact the dealer where you purchased the item(s).

## ***Pre-Installation***

The Passport Wireless Systems and accessories are custom designed to work with “wireless ready” Passport Sound Systems. “Wireless Ready” Passport Sound Systems have a “docking connector” in their rear storage compartment. This is very easy to identify as “non-wireless ready” Passports have nothing in their storage compartments.

If you have purchased a wireless system and find you’re Passport does not have the “wireless ready” feature, please contact your Authorized Fender Pro Audio dealer or our Customer Service department for information and availability of a “wireless retro-fit kit”. This kit will need to be installed by an Authorized Fender Pro Audio Service Center.

## ***Safety Precautions***

Warning: To avoid the risk of shock or fire, do not expose this unit to moisture. Do not attempt to disassemble or alter any circuitry. There are no user-serviceable parts inside. Refer all servicing to an Authorized Fender Pro Audio qualified service personnel.

## ***Installation***

### **Custom Docking Receiver**

#### **Disconnect power cable!**

Identify the Docking Receiver module and familiarize yourself with the unit, noting the two locking screws and multi-pin connector.

Place your Passport power tower facedown on a level and stable surface. Open the storage compartment door and identify the docking connector on the rear wall of the storage compartment.

Locate the two small screws attaching the protective cover over the docking connector. Loosen these screws just enough to allow the cover to be removed from the connector. Gently re-tighten the two screws.

Holding the Docking Receiver with the logo in an upright position, place the male, multi-pin connector into engagement with the female connector on the Passport storage compartment rear wall. When properly aligned, gently (but firmly) push the unit until it engages fully. Using the two screws on the sides of the module, attach the module to the Passport. Do not over-tighten.

Identify the two “blanking plugs” and install these into the channel one, XLR and 1/4” connectors.

### **Transmitter (Handheld and belt pack)**

Identify the battery compartment on the transmitter and install a fresh 9V Alkaline Battery. If using the belt pack transmitter, select a microphone or cable to use and attach to the transmitter.

You have now completed the installation, and all that remains is to confirm the proper operation of your system.

## Operation

Once installed, the wireless system is automatically input to channel one of the Passport. The Wireless Systems come with “blanking plugs” (install in the XLR and ¼” jacks for channel one) intended as a reminder that this input is in use.

Set-up your Passport system as you would for normal use. Confirm operation of the system with a CD or wired microphone source.

Make sure the input one level control is turned to its minimum setting. (fully counter-clockwise).

Turn the Passport main power on, open the storage compartment and confirm that the Red “Power” LED on the wireless-docking receiver is illuminated.

Turn on the handheld or belt pack transmitter. The Green LED on the docking receiver will illuminate - showing the receiver is “seeing” a radio frequency carrier signal from your transmitter.

While using the microphone at a normal level, slowly bring up the input level control for channel one. You should be hearing yourself in a clear and natural tone much the same as the wired microphone with which you checked the system. Adjust the EQ control to your requirements.

**Note:** The front panel Mic/Line switch does not effect the level sensitivity for Wireless operation. Fender has “normalized” the docking receiver’s output to the system-input section. No additional adjustments are required of the operator.

Congratulations you have successfully set-up the wireless system!

From this point onwards, you should need only to change batteries in your transmitter for continued operation.

If your wireless system fails to work properly, consult your authorized Fender Service Center.

## Frequencies

Passport Wireless Systems are available in a number of frequencies. The last three digits of the part number indicate the frequency of your system (or component). If ordering an additional component for your existing system, be sure to order the component with the same frequency. The frequencies and three digit numbers are identical for all Passport Wireless Accessories.

The most popular wireless frequencies are the Travel Frequencies. As their name implies, travel frequencies are “open channels” in all areas of North America.

Wireless systems broadcast in the same way as radio and television stations broadcast (only a much weaker signal). It is easy to see why a wireless system could pick up interference from a local television station broadcasting on the same frequency. You will notice that all frequencies except “travel” frequencies have television channels associated with them. When selecting a wireless frequency, choose one that is a television channel **NOT** broadcast in your area (or the area where you will most typically use your Passport). Cable channels should not affect the performance of your wireless.

The following list shows the available frequencies and their associated part numbers for Passport Wireless Systems.

<b>Part Number:</b>	<b>Channel</b>	<b>Frequency</b>
069-xxxx-001	Travel A	169.505 MHz
069-xxxx-002	Travel B	171.905 MHz
069-xxxx-004	Channel 7	174.8 MHz
069-xxxx-005	Channel 11	202.4 MHz
069-xxxx-006	Channel 12	206.4 MHz
069-xxxx-007	Channel 10	195.4 MHz
069-xxxx-008	Channel 13	208.2 MHz

## Wireless System Specifications

Carrier	VHF 160-250MHz specific freq. Only
Oscillation Mode	Quartz-Controlled
Channel	Single
Receiving Mode	Non-Diversity
Dynamic Range	>100dB
Squelch	Tone Key squelch controlled circuitry
S/N Ratio	>100dB
T.H.D.	< 0.5%
Freq. Response	50Hz-18kHz +/-3dB

Product Specifications are subject to change without notice.

Please visit [www.fenderaudio.com](http://www.fenderaudio.com) and [www.fender.com](http://www.fender.com)



A Product of:  
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## Passport Wireless Accessories Operating Manual

Includes:

Passport Wireless Handheld System  
Passport Wireless Executive System  
Passport Wireless Receiver



