




OPERATING INSTRUCTIONS



Freedom™ Series Wireless Headset For Portable Radio Operation

United States Patent No.
6,311,052 - 7,062,301
7,203,525 & 9,042,944

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U.S. Patent No. 6,311,052 - 7,062,301
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Thank you for choosing PVP Communications, Inc. products. We are dedicated to satisfying our customers by providing quality products and service. The components in this Kit are tailored for use in applications where durability, strength and quick installation are a must.

Please follow the Installation Instructions carefully to avoid damaging radio equipment or Kit components. If you have any questions during installation or require more information about this product you may call us at (310)212-5432 Monday through Friday, 7AM to 3PM Pacific Time, USA.

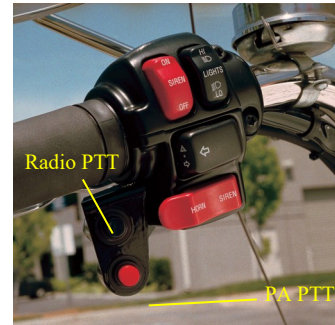
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This product comes with a warranty covering all defects in material or workmanship for a period of one year from date of original retail purchase. At its option PVP Communications, Inc. will repair or replace any defective part(s) or equipment. The provisions of the warranty shall not apply to any unit which has been subjected to misuse, neglect, incorrect electrical or mechanical installation, unauthorized modifications, accident, nor to units which have been repaired or altered outside of PVP Communications, Inc.. The warranty is extended only to the original owner of the PVP Communications, Inc. product and may not be transferred or assigned. In the event that the product does not conform to the warranty, the product should be shipped prepaid to PVP Communications, Inc.. Transportation charges, insurance fees, and labor costs for shipment, removal, or reinstallation of product are not covered by this warranty. Loss or damage in shipment is the sole responsibility of the freight carrier. Repair as provided under this warranty is the exclusive remedy of the consumer. PVP Communications, Inc. shall not be liable for any incidental or consequential damages or for breach of any express or implied warranty on this product. Except to the extent prohibited by applicable law, any implied warranty of merchantability, or fitness for a particular purpose on this product is limited in duration to the duration of the warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights which vary from state to state. PVP Communications, Inc. reserves the right to make changes in design and to make improvements in its products without the obligation to incorporate the changes or improvements in any of its previously manufactured products. PVP Communications, Inc. has not authorized anyone to make representations or warranties other than the warranty contained herein. The above warranty is effective for all products manufactured after 01/01/95.

OPERATION

After a pair has been established between the headset and the motor kit the handlebar PTT switches are then available for use:

- The black switch (F1 on BMW motors), when pressed, will key the your portable radio and allow radio transmission from the helmet microphone (helmet must be worn to activate sensor).
- The red switch (F2 on BMW motors), when pressed, will key the Siren PA feature and allow a PA Broadcast from the helmet microphone over the siren speaker.



OPERATION:

MODE 1 - HELMET OFF:

With the Speakermic attached to the radio and the Helmet removed, the Portable Radio will play receive audio at the Speakermic speaker. Transmit audio is achieved by pressing and holding the Push-to-Talk (PTT) button on the Speakermic and speaking into the Speakermic.

MODE2 - HELMET ON:

With the Speakermic attached to the radio and the Helmet worn (Helmet must be powered on), the Speakermic will automatically mute it's speaker and microphone, and the earphones and microphone in the helmet will automatically be activated. The Portable Radio will now play receive audio at the Headset earphones. Transmit audio is achieved by pressing and holding the Push-to-Talk (PTT) button on the Speakermic and speaking into the Headset microphone. Removing the Helmet automatically reverses operation to Mode 1. The headset includes a proximity sensor which activates the system when the helmet is worn. **NOTE:** It is recommended that the **helmet be left powered "ON"**, this will allow for automatic MODE changes when the helmet is taken on/off.

MODE3 - REMOTE RADIO PTT:

A wireless remote PTT function is also provided at the left handlebar. Pressing and holding the BLACK handlebar PTT switch with the helmet worn causes the helmet microphone to broadcast over the Portable Radio.

REMOTE PUBLIC ADDRESS (PA) PTT:

*****For Freedom Series Kits with PA users,** pressing and holding the RED handlebar PTT switch with the helmet worn causes the helmet microphone to broadcast over the Siren System for Public Address purposes.

PA NOTE: When performing a PA broadcast for the first time, it is more than likely that the volume will need to be adjusted. Too much volume will cause a feedback squeal, and not enough volume will be difficult to hear. Volume gain adjustment is in the motor kit module and may also be available on the siren amplifier.

NOTE: make sure the helmet microphone is on axis (not rotated) and held close to the users mouth (within 1/4").

Step4: Immediately place the Headset in pairing mode by pressing and holding the power switch (Halfshell Helmets—black momentary pushbutton switch located on the left earcup Fullshell Helmets—see diagram on page 3.

After 2 seconds, 2 beeps indicating power on will occur. DO NOT RELEASE THE SWITCH. Continue holding the switch for another 5 seconds until a fast hi-lo hi-lo set of beeps occur, then release.

NOTE: All three devices will be confirmed as paired when a green pulse is indicated on the Speakermic and Remote PTT, and an increasing set of tones is played at the Headset. Within 10-15 seconds the wireless connection will be established. The motor kit will display a green status LED flash and the headset will provide an up stepping tone indicating that they have been successfully

QUICK REFERENCE PAIRING PROCEDURE

NOTE: Confirm no other Bluetooth devices are in the immediate area

1)POWER OFF all three devices (Radio, Headset, and Remote PTT)

2)PLACE SPEAKERMIC IN PAIRING MODE. Press/Hold the recessed micro-switch, then turn Radio on. Hold until the status LED toggles red-green-red

3)PLACE REMOTE PTT IN PAIRING MODE. Press/Hold the power switch until status LED toggles red-green-red

4)PLACE HEADSET IN PAIRING MODE. Press/Hold the power switch until a fast hi-lo hi-lo set of beeps occur

CUT

paired to each other. The system is now ready for use.

L.E.D STATUS INDICATOR
(Shouldermic/Motor Kit)

AUDIBLE HEADSET TONE INDICATORS:

Power On: two beeps






Power Off: three beeps

Pairing Mode: fast Hi-Lo Hi-Lo beep

Auto-Disconnect: Decreasing Series of Tones

Auto-Connect: Increasing Series of Tones

PTT confirmation: Short beep

	Powered Off
	Flashing rapidly— searching for mate (not paired yet)
	Flash every 7 seconds = paired, in stand-by mode
	Flash every 3 seconds = paired, active mode
	Red/Green toggling back and forth =Pairing mode

Freedom™ Wireless Headsets (PORTABLE RADIO)



- Encrypted, secure, Digital Wireless A2DP **Bluetooth** Technology
- No interference from police radios or cell phone towers
- Easy, quick, one-time pairing process
- Unique wireless connection—no mechanical switches to keep track of, no DIP switches, no special tools
- No possibility of other users on the same channel
- Minimum 16 hours charge duration (continuous use)
- Waterproof—meets or exceeds IP67 standards
- 1 year warranty
- Only available from PVP Communications!

OVERVIEW

The Freedom Wireless Series Portable Only System is designed for Motor Officers who want the ability to communicate using their Portable Radio while riding their Motor and wearing a helmet. It allows for a *Bluetooth* wireless connection to the motorcycle to provide for handlebar PTT controls for the radio and the motorcycle's PA system.

CHARGING

Your headset is powered by an internal Li-Ion battery. **Before the first use** and after every use the battery needs to be fully charged. Use the charger supplied with the headset to charge. **DO NOT** use any other charger other than the charger provided with this headset.




NOTE: A fully charged battery will last a minimum of 16 hours (continuous audio). Although the battery may last for more than one day's use, it is recommended that it be charged daily. Always leave the headset charging when not in use.

NOTE: Li-Ion batteries do not have the memory issues found on Ni-Cad batteries. Therefore it is not necessary to fully drain the battery before charging.

The average life of this battery is 1,000 cycles (about three years)

IMPORTANT: Contact PVP Communications regarding any battery issues or need of replacement.

CHARGER—STATUS LED

-  Green (no headset connected) = ready to charge
-  Green (connected to headset) = Fully charged battery
-  Red = Charging (may take up to 4 hours to fully charge)

PAIRING

Prior to first use; the headset must be “paired” to a motor kit. Pairing establishes a unique link between the wireless headset on the officer and the motor kit on his motorcycle that will not interfere or be interfered with when other wireless motorcycle systems come within range. Once a pairing procedure has been completed, it is “remembered” by both the motor kit and by the headset. A new pair may be established at any time (i.e. riding a spare motor), but until a new pair is established, the headset and the motor kit will remain “faithful”, responding only to their mate. They will remember who their mate is—even *after having been powered off*. This pairing process is only necessary once unless you re-pair to a different motorcycle.

Note: It is important to perform the pairing procedure while away from other PVP wireless systems (i.e. another motor with the wireless system powered on). While in the pairing mode the device is searching for a partner. Multiple devices in the local area can confuse the pairing sequence. This only applies during the few seconds needed to establish an initial pair. After the devices are paired they can function side-by-side with no interference.

PAIRING PROCEDURE: Each Headset must be dedicated (“Paired”) to its corresponding Speakermic and Remote PTT (Motor Kit) before operation. Follow the steps below to Pair:

Step 1: Power OFF all three devices (Radio, Headset, and Remote PTT)

Step 2: Place the Speakermic in pairing mode by pressing and holding the recessed micro-switch (located just below the PTT switch), and then turn the Radio on. The LED indicator will activate. **DO NOT RELEASE THE SWITCH.** Continue holding the switch until the status LED toggles red-green-red (about 7 seconds), then release.

Step 3: Immediately place the Remote PTT (motor kit) in pairing mode by pressing and holding the power switch .

The LED indicator will activate. **DO NOT RELEASE THE SWITCH.** Continue holding the switch until the status LED toggles red-green-red (about 7 seconds), then release.