



**INSTALLATION
and
OPERATING
INSTRUCTIONS**



**Motor-One™
NXM Series
Wireless Speakermic**

**United States 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 4PM Pacific Time, USA.


WARRANTY

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.

PAIRING QUICK GUIDE

- 1) Press PAIR switches, until LED goes to a solid color, to manually power off Shouldermic and Motor.
(radio "on" and headset connected)
- 2) Press and hold **Motor** PAIR switch until LED toggles red-green-red-green, then immediately:
- 3) Press and hold **Shouldermic** PAIR switch until LED toggles red-green-red-green.
- 4) After 10-15 sec, a green pulse every 7 sec will confirm PAIR is established.

 **Bluetooth**[®] The *Bluetooth*[®] word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks are under license.

 **Motor-One**[™] Motor-One Wireless is a trade-mark of PVP Communications.

All Motor-One[™] Wireless shouldermic are protected by
U.S. Patent No. 6,311,052 & 7,062,301

OPERATION



OPERATING MODE 1—HELMET DISCONNECTED

With the helmet disconnected, the shouldermic will function as a standard issue shouldermic. Use the PTT switch to transmit via the portable radio using the shouldermic microphone. Receive audio will be muted at the portable radio when this shouldermic is attached and will be routed to the shouldermic speaker.

OPERATING MODE 2—HELMET ATTACHED—AWAY FROM MOTOR

Attach the helmet headset connector to the shouldermic and the following will occur:

- The shouldermic speaker and microphone will mute and portable radio receive audio will be routed to the helmet earphones.
- The helmet microphone will now be activated when the PTT switch on the shouldermic is pressed. Some radio models may also have an additional PTT switch at the radio adapter connector.

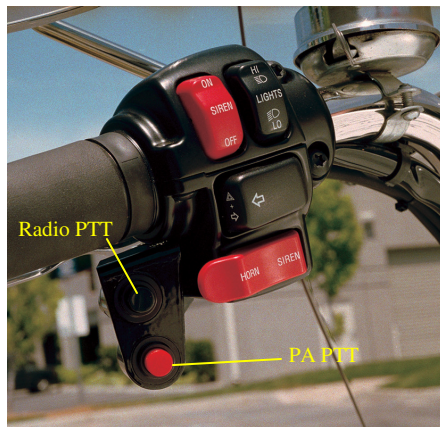
- The wireless transceiver in the shouldermic will automatically power-on and the

OPERATING MODE 3 — FOR PORTABLE ONLY SYSTEMS

After a pair (see **PAIRING** procedure) has been established between the shouldermic and the motor kit, the status LED at both devices will display a green pulse.

If the green pulse is being displayed, the handlebar PTT switches are available for use:

- The black switch, when pressed, will key the portable radio and allow radio transmission from the helmet microphone over the portable radio.
- The red switch, when pressed, will key the Siren PA feature and allow a PA Broadcast from the helmet microphone over the siren speaker.



Motor-One™ Wireless Speakermics



System Features:

- ✦ Encrypted, Secure FHSS Digital Wireless *Bluetooth* Technology
- ✦ 2.4Ghz operating frequency ensures no interference from Police Radios or Cell Phone Towers
- ✦ Shouldermic quickly mates to motor (one time process, approximately 10 seconds – no DIP switches to set, no special tools required)
- ✦ Mating of shouldermic to motor is a unique connection – no switch channels to keep track of, and no possibility of multiple users on the same channel.
- ✦ No charging necessary
- ✦ Water-tight enclosure, exceeds IP67 rating
- ✦ 1 year warranty

Motor-One™

INSTALLATION



Attach accessory connector to portable radio.



Connect Helmet.

The helmet connector is polarized so that it must be rotated to the proper position before it will snap into place. When properly oriented, the coils in the cable should lay against the officer's uniform (just above the badge if worn at the lapel).

NOTE: Use this orienting procedure to simplify connecting the helmet to the shouldermic.

PAIRING

Prior to first use; the shouldermic must be "paired" to a motor kit. (*Note:* When purchased as a system, the shouldermic and motor kit may come already paired from the factory.) Pairing establishes a unique link between the wireless shouldermic 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 shouldermic. A new pair may be established at any time (i.e. riding a spare motor), but until a new pair is established, the shouldermic 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.

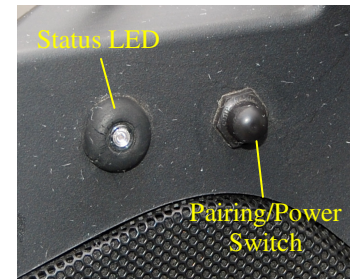
PAIRING PROCEDURE:

1) Connect the helmet to the shouldermic as previously shown. The wireless device in the shouldermic will power on and the LED will begin to flash.

NOTE: Helmet must be connected to the shouldermic to power on. The shouldermic will power off when the helmet is disconnected to conserve battery.



2) Use a pen (or similar item) to press the interior mounted pairing switch for 2-3 seconds until the shouldermic LED transitions to a solid color, then release. The wireless device will now power off.



3) Verify motor kit still has power connected to it (ignition turned on or mobile radio turned on, etc.) Power off the motor kit by pressing the pairing switch — same procedure for power down as step 2.

4) **From the powered off condition**, press and hold the pairing switch on motorcycle for 7-9 seconds until the LED begins toggling red-green-red-green, then release. The motor kit has now powered on into pairing mode and is searching for a mate. Immediately proceed to the shouldermic.

5) With the shouldermic in the powered off condition, press and hold the pairing switch at the shouldermic for 7-9 seconds until the LED begins toggling red-green-red-green, then release (same procedure as with the motor kit). The shouldermic has now powered on into pairing mode.

Within 10-15 seconds the wireless connection will be established and both devices will display a green status LED flash indicating that they have been successfully paired to each other.

Note: It is important to perform the pairing procedure while away from other Motor-One 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.

L.E.D STATUS INDICATOR

	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