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Impact M1-P1W-AT1

# Impact M1-P1W-AT1 Platinum Series 1-Wire Surveillance Kit User Manual

Comprehensive instructions for the setup, operation, and maintenance of your surveillance kit.

## INTRODUCTION










This manual provides detailed instructions for the Impact M1-P1W-AT1 Platinum Series 1-Wire Surveillance Kit. Please read this manual thoroughly before using the product to ensure proper function and longevity. This kit is designed for professional communication environments, offering reliable audio and push-to-talk functionality.

## SETUP INSTRUCTIONS

Follow these steps to correctly connect your surveillance kit to your two-way radio.

### 1. Identify Your Radio Connector Type

Refer to the compatibility chart below to identify the correct connector type for your specific radio model. The M1-P1W-AT1 kit is designed for Motorola 2-Pin radios, but compatibility varies by specific model series.

Connector		Radio Models
Motorola:		
I1		TalkAbout 200, 250, Distance and Distance DPS
Select		
M1		BC10, BC90, BC95, BC120, BC130, BC250D, BPR40, CLS Series, CP88, CP100, CP110, CP120, CP125, CP150, CP185, CP200, CP200d, CT150, CT250, CT450, CT450LS, DP1400, DTR Series, EP-450, GP68, GP88, GP280, GP300, GP308, GP350 (requires Motorola adapter HLN9482), GP2000, GTI, GTX, LTS2000, MAG ONE, PR400, P040, P080, P110, P1215, P1225LS, PRO3150, RDU Series, RDV Series, RDX Series, RM Series, SP10, SP21, SP50, VL130, VL50, XTN446, XTN500, XTN600, XU1100, XU2100, XU2600, XV1100, XV2100
Select		
M2		GP1280, GP140, GP320, GP328, GP329, GP338, GP339, GP340, GP360, GP380, GP640, GP650, GP680, HT750, HT1250, HT1250LS, HT1550, HT1550XLS, MTP700, MTX8250, MTX8250LS, MTX850, MTX850LS, MTX9250, MTX950, MTX4500/4550, PR860, PRO5150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7150, PRO7350, PRO7450, PRO7550, PRO7750, PRO9150, PTX700, PTX760, PTX780.
Select		
M3		EX500, EX600, GL2000, GP328Plus, GP338Plus, GP344, GP388, PRO5150elite, EX560XLS
Select		
M4		SABRE radio series
Select		
M5		GP900, GP9000, HT1000, JT1000, MT1000, MT2000, MTS2000, MTX838, MTX900, MTX8000, MTX9000, MTX960, MTX-LS, XTS1500, XTS2500, XTS3000Astro, XTS3500, XTS5000, XTS3000, PR1500, PM1500, JEDI
Select		
M6		VISAR radio series, 3.5mm Threaded Connector. Also compatible with: M5-AD-M6 adapter – converts M5 connector for use on M5 radio models (see M5 supported models) M11-AD-M6 adapter – converts M6 connector for use on M11 radio models (see M11 supported models) M2-AD-M6 adapter – converts m6 connector for use on M2 radio models (see M2 supported models)
Select		
M8		2.5mm for FRS/GMS/GMRS "talkabout" radios, T270, T280, T289, T5100, T5200, T5300, T5320, T5400, T5410, T5420 COBRA series radios: FRS 5512, 5522, T5800, 5820, 6200, 6210, 6220, 6250, 6300, 6320, 6400, T7200 series, FR50, FR60
Select		
M9		Single pin stereo for Nextel, Tetra MTH650/800 NEXTEL Falcon Series, i860, i710, i830, i530, i205, i730, i305, i315, i325, i215, i265, i275, i285, i335, i355, i365, i415, i450, i465, i530, i560, i570, i576, i580, i605, i615, i670, i680, i720, i733, i736, i740, i760, i776, i833, i835, i836, i850, i855, i860, i870, i875, i880, i890, i920, i930 iC402, iC502, iC602, iC902 Nascar Nextel Cup Series Driver Phones
Select		

**Image Description:** A detailed compatibility chart for Impact surveillance kits. The chart is organized into columns for "Connector" and "Radio Models" under the "Motorola" brand. It lists various connector types (I1, M1, M2, M3, M4, M5, M6, M8, M9) with corresponding images of each connector and a comprehensive list of compatible Motorola radio models for each connector type. For example, the M1 connector is compatible with Motorola BC, CLS, CP, CT, DP, DTR, EP, GP, GTI, GTX, LTS, MAG ONE, PR, P, RDU, RDV, RDX, RM, SP, VL, XTN, XU, and XV series radios. The M2 connector is compatible with GP, HT, MTP, MTX, PRO, and PTX series radios. The M3 connector is compatible with EX, GL, GP Plus, and PRO5150elite series. The M4 connector is for SABRE radio series. The M5 connector is for GP, HT, JT, MT, MTS, MTX, XTS, PR, PM, and JEDI series. The M6 connector is for VISAR radio series and can be adapted for M5, M11, and M2 radio models. The M8 connector is for 2.5mm FRS/GMS/GMRS "talkabout" radios and COBRA series radios. The M9 connector is for Nextel, Tetra MTH650/800, and NASCAR Nextel Cup Series Driver Phones.

## 2. Connect the Surveillance Kit

1. Ensure your two-way radio is turned off before connecting the kit.
2. Align the 2-pin connector of the surveillance kit with the accessory port on your Motorola radio.
3. Gently push the connector firmly into the radio's port until it is securely seated. Do not force the connection.
4. Position the earpiece comfortably in your ear and route the cable under your clothing for discretion and to prevent snagging.
5. Clip the Push-To-Talk (PTT) button to a convenient location on your clothing, such as a collar or lapel, ensuring easy access.
6. Turn on your radio and perform a communication test to confirm proper functionality.

## OPERATING INSTRUCTIONS

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This section details the basic operation of your 1-wire surveillance kit.

### Receiving Audio

When the kit is properly connected, all incoming radio transmissions will be routed through the earpiece. Adjust your radio's volume control to a comfortable listening level.

### Transmitting Audio (Push-To-Talk)

1. To transmit, press and hold the large Push-To-Talk (PTT) button.
2. Speak clearly into the microphone, which is integrated into the PTT housing.
3. Release the PTT button to stop transmitting and return to receive mode.
4. Ensure the PTT button is fully released when not transmitting to avoid blocking incoming communications.

## MAINTENANCE

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Proper care and maintenance will extend the life of your surveillance kit.

### Cleaning

- Wipe the earpiece and PTT housing with a soft, damp cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners.
- Ensure the kit is completely dry before reconnecting it to your radio.

### Storage

- Store the kit in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid tightly coiling the Kevlar reinforced cable to prevent damage. Gently loop the cable for storage.

## TROUBLESHOOTING

If you encounter issues with your surveillance kit, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No audio from earpiece.	<ul style="list-style-type: none"><li>• Kit not fully connected.</li><li>• Radio volume too low.</li><li>• Earpiece damage.</li></ul>	<ul style="list-style-type: none"><li>• Ensure the connector is firmly seated.</li><li>• Increase radio volume.</li><li>• Test with another earpiece if available.</li></ul>
Cannot transmit (PTT not working).	<ul style="list-style-type: none"><li>• PTT button not fully pressed.</li><li>• Kit not fully connected.</li><li>• Microphone damage.</li></ul>	<ul style="list-style-type: none"><li>• Press the PTT button firmly.</li><li>• Ensure the connector is firmly seated.</li><li>• Test with another kit if available.</li></ul>
Intermittent audio or transmission.	<ul style="list-style-type: none"><li>• Loose connection.</li><li>• Cable damage.</li></ul>	<ul style="list-style-type: none"><li>• Reseat the connector.</li><li>• Inspect the cable for visible damage.</li></ul>

## PRODUCT SPECIFICATIONS

- **Model Number:** M1-P1W-AT1
- **Series:** Platinum Series 1-Wire Surveillance Kit
- **Cable Type:** Kevlar reinforced
- **PTT:** Full size Push-To-Talk button
- **Microphone:** High quality Knowles brand mic (as per product description)
- **Transducers:** Field replaceable
- **Connector Type:** Motorola 2-Pin (specific compatibility listed in Setup section)
- **Water Resistance Level:** Not Water Resistant
- **Compatible Devices:** Motorola CLS Series, CP Series, CT Series, DP1400, DTR Series, EP-450, GP Series, LTS2000, MAG ONE, PR Series, P0 Series, RM Series, SP Series, VL Series, XTN Series, XU Series, XV Series, and other two-way handheld walkie radios. Refer to the compatibility chart for detailed model lists.

## WARRANTY INFORMATION

The Impact M1-P1W-AT1 Platinum Series 1-Wire Surveillance Kit comes with a **three-year warranty** from the date of purchase. This warranty covers manufacturing defects and material failures under normal use. For warranty claims or detailed terms and conditions, please contact the manufacturer or your point of purchase. Keep your proof of purchase for warranty validation.

## CUSTOMER SUPPORT

If you require further assistance, have questions not covered in this manual, or need technical support, please contact the manufacturer, Impact, or the retailer from whom you purchased the product. Please have your product model number (M1-P1W-AT1) and proof of purchase ready when contacting support.

