

# Hardware Setup Instructions

## Multipurpose Transmitter - Model ASM01



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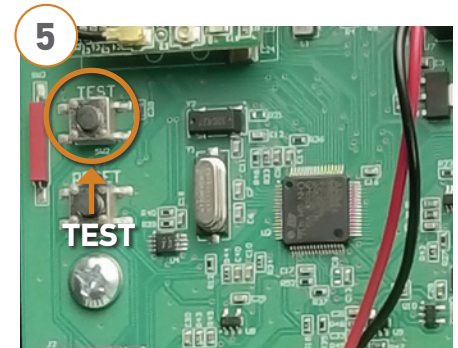
**IMPORTANT: ATEK's Customer Care Team (CCT) is ready to assist with any setup help necessary to fully utilize the AssetScan Transmitter. Site and contact information is needed before data is properly managed by the ATEK Intelligence Platform (AIP). CCT: 800-523-6996 or [assetscan.com/contact](https://assetscan.com/contact)**



**NOTE: If using customer supplied sensors, refer to Sensor Wire Connections section on page two before proceeding.**

### Setting up the Transmitter

- 1 Open transmitter case by pulling up on two latches on front of case.
- 2 Connect black wire to negative (top) battery terminal as shown. Ensure red wire is seated on positive terminal.  
  
Green LEDs on board will begin to light up.
- 3 Remove protective caps from sensor ports and connect sensor cable ends to receptacles. Be sure connectors are snug to provide environmental seal.
- 4 Connect cables to sensors as needed. For proper AIP functionality, ensure sensor port connections match configurations in AIP. Refer to product manual for detailed instructions.
- 5 Wait 2 minutes after plugging in battery then press **TEST** button on board.  
  
Transmitter will go through a data collection cycle that will last for 10 minutes before reverting to normal operation.
- 6 Call ATEK Customer Care Team at 800-523-6996 to ensure transmitter has communicated with AIP or login if access is already available.
- 7 Shut and latch lid.
- 8 Login to [AIPAssetScan.com](https://AIPAssetScan.com) to monitor data and edit device set-up as necessary.
- 9 Refer to the ATEK Intelligence Platform (AIP) for AssetScan Quick Start Guide for further instructions:  
[assetscan.com/support](https://assetscan.com/support) or [download the AIP AssetScan Quick Start Guide.](#)



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### Recharging the Transmitter Battery\*

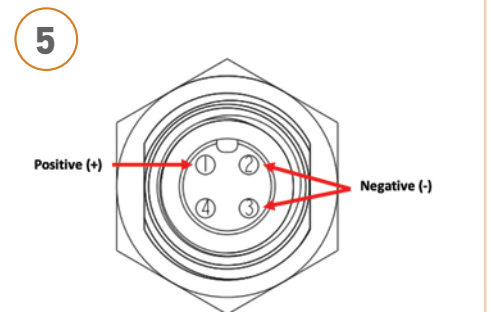
- 1 Charging port is located on right side of transmitter case. Remove threaded plastic cap from charging port by turning counterclockwise.
- 2 Plug battery charger's AC plug into a nearby outlet and screw charging jack into charging port using silver nut.
- 3 LED on battery charger will turn red to indicate transmitter is charging. Transmitter will begin charging. Full charge is achieved within 6-8 hours.
- 4 LED on battery charger will turn green when charging is complete.
- 5 Unscrew charging jack from charging port and secure attached plastic cap onto charging port.

\*Note: Battery should be charged between -10° C and 40° C (14° F and 104° F). See Product User Manual for detailed information on battery use and care.



### Sensor Wire Connections

- 1 Verify intended sensor is a 2 wire, loop powered, 4-20mA output device, capable of operating at 24VDC with a 200 Ohm load resistor in return line.
- 2 Sensor Port 1 (located at the right side of cable connections) should be used for a single sensor installation.
- 3 Sensor Port 2 can be connected to a 2nd sensor for an additional measurement point. The measured variable can be different than Port 1 as long as the sensor is a 2 wire, 4-20mA loop powered device. Both lines are measured and reported simultaneously.
- 4 Pin 1 of the M12-4 ASM sensor connector is +24VDC and must be connected to the Positive (+) terminal of the sensor.
- 5 On the ASM transmitter, pins 2 and 3 are both wired to the Negative (-) terminal
  - If the sensor cannot have pins 2 and 3 wired together, contact ATEK CCT.
- 6 Sensor connections may be accomplished via:
  - Field wire-able M12 connector (ATEK Accessory: ASA004) to allow the use of direct cabled sensors, or custom cable length.
  - M12-4 M-F extension cable (ATEK Accessory: ASA005 for 5m, and ASA006 for 10m) to connect to sensors with integral M12-4 Male connector.
  - M12-4 to 1/2NPT connection adapter (ATEK Accessory: ASA020) for sensors with 1/2NPT conduit entries.
  - Other methods per installer's choosing.
- 7 Refer to Setting up the Transmitter section to connect battery and start ASM transmitter.



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