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A METHODE ELECTRONICS COMPANY

QUICK REFERENCE



ERGO F 2.4 GHz TRANSMITTER

QRCD_ER_002.0

Local But Global

CHANGING YOUR BATTERIES

NOTE: The battery compartment is located in the back of the transmitter.

ALKALINE BATTERIES

1. Remove the Battery Adapter Case from the battery compartment and dispose of the discharged batteries.
2. Insert 3 fresh batteries (Size AA) into the Battery Adapter Case, and snap it into place.

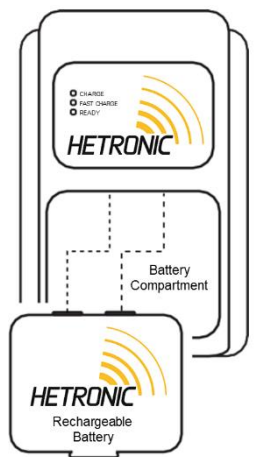
RECHARGEABLE BATTERY

1. Remove the discharged battery from the battery compartment.
2. Snap a fully-charged replacement battery into the battery compartment.

CHARGING YOUR BATTERY

1. Confirm that your Hetronic battery charger is powered ON.
2. Insert the discharged battery into the battery compartment as shown and snap into place. The CHARGE LED flashes for 2 seconds, then stays lit.
When fully charged, the READY LED lights up and the CHARGE LED turns OFF.

NOTE: Your battery is damaged if no LEDs light up (open cell) or the CHARGE LED flashes constantly (shorted cell).



AVOID DELAYS

To ensure that the charging process has begun, ALWAYS confirm that the battery charger is powered ON, and the proper CHARGE LED lights remain lit as noted in these instructions.

Battery Charger & Rechargeable Battery

FAST CHARGING YOUR BATTERY

1. Insert the discharged battery into the battery compartment and snap into place. The CHARGE LED flashes for 2 seconds, then stays lit.
2. Press FAST CHARGE. The FAST CHARGE LED also lights up and stays lit. When the READY LED lights up and the CHARGE and FAST CHARGE LEDs turn OFF, your battery is fully charged,

NOTE: Charging time could take up to 5 hours depending on your battery condition.

TROUBLESHOOTING

Batteries not charging:

- No power to the Charger. Supply power.

System not initializing after normal START:

- Check batteries, replace if needed.
- Confirm that the receiver is powered ON.

Transmitter is ON, but does not transmit (status light is not flashing green):

- Check batteries, replace if needed.
- If batteries are fresh or fully charged, there may be an internal failure (see supervisor).

Unit is transmitting, but the machine not responding:

- Out of range. Restart transmitter within range.
- Receiver is not powered ON or may have a blown fuse.
- Transmitter/receiver frequency channels do not match (see your supervisor).
- Transmitter/receiver addresses do not match (see supervisor).

All machine functions operate intermittently:

- Receiver antenna connection or ground loose.
- Interference.
- Connector inside receiver is loose.

Some machine functions operate intermittently:

- Machine motion wiring is loose. Check wiring from receiver to plug, from plug to actuator.
- Connector inside receiver is loose.

READ THIS FIRST

! **DANGER:** Do not operate this transmitter unless you have been trained in the safe and proper operation of the radio control system and the machinery it is to control.

Be alert to unsafe conditions and be aware that radio remote control commands can take place around obstacles and out of your direct sight.

ALWAYS confirm that the machine and remote control STOP functions work properly BEFORE beginning any machine operation.

Turn OFF the transmitter when not in use. Remove the Memory Key when the unit is placed any distance away from you.

BEFORE OPERATION

! **WARNING:** Test the STOP function. NEVER operate the machine if the STOP function does not work properly.

Check the condition of your transmitter once a day, before the start of an operation and at all shift changes:

- Visually check the transmitter for any physical wear or damage.
- Confirm that you can read and understand all of the safety labels.

! **WARNING:** Never operate a transmitter with worn or damaged parts.

HOLDING YOUR TRANSMITTER

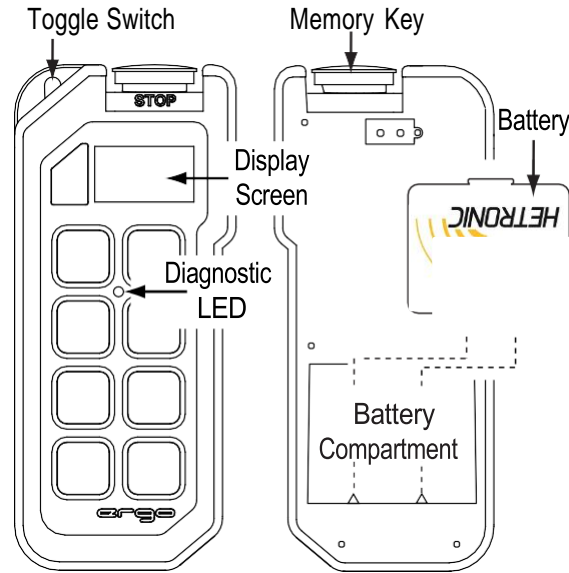
Hold the transmitter upright with the front facing you. Confirm that you are able to easily read and understand all operation text and symbols.

! **WARNING:** Holding the transmitter improperly while operating your machine could result in unexpected machine response

STARTING YOUR TRANSMITTER

! **WARNING:** To avoid accidental start-up, always press the STOP pushbutton (Memory Key) when not in use.

1. Confirm that all equipment manufacturer safety measures have been followed.
2. Turn ON the receiver.



Front

Back

3. Insert batteries into the battery compartment.
4. Press, release **START** to turn ON, then press **START** again after green LED starts blinking. The following results appear quickly:

Result	Meaning
Diagnostic LEDs turn ON.	Checking for Memory Key.
Diagnostic LEDs turn OFF.	Memory Key check is complete.
Green LED starts blinking.	Transmitter data is being transmitted.

5. Test all machine functions in a safe place to ensure that the machine responds as expected.

! **DANGER:** If your machine does not operate as expected. Shut down the system immediately and contact your supervisor for next steps.

! **WARNING:** Improper operation, maintenance or adjustment may cause serious injury or damage to equipment and may void the warranty.

STOPPING YOUR TRANSMITTER

Press **STOP**.

The transmitter sends the STOP telegram to the receiver for 2 seconds minimum.

Upon receiving the STOP telegram, the receiver goes into Safe Mode and turns OFF all of the receiver outputs.

The transmitter shuts off in about 2 seconds.

A diagnostic LED Status Light on the face of the unit provides continuous operating status information.

See Status Lights descriptions below:

- Green (Flashing) - Transmitting Telegram
- Red (Flashing) - Transmitting STOP Telegram
- Red (Steady) - Low Battery
- Red (slow pulsing) - Invalid Memory Key