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.

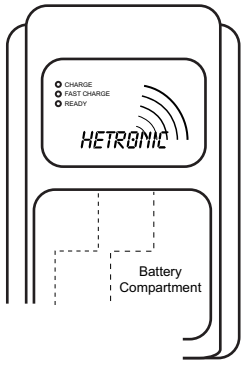
   The CHARGE LED flashes for 2 seconds, then stays lit.

   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:

- Disengage STOP pushbutton.
- 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.
- Confirm that the toggle switch is in the OFF position (this is normally the “center” position).
- Receiver is not powered ON. Turn ON receiver.
- Blown Fuse. Check and replace if needed.
- Transmitter/receiver frequency channels do not match (see your supervisor).
- Transmitter/receiver addresses do not match (see your 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.

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Quick Reference



Nova XL Transmitters

QRCD_NO_003.0

Local But Global

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 (if equipped) 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

1. Confirm that all equipment manufacturer safety measures have been followed.
2. Confirm batteries are fresh or fully-charged.
3. Depress the STOP pushbutton.
4. Rotate the KEY SWITCH to the ON position.

NOTE: If the KEY SWITCH fails to turn, confirm that the KEY CAP is fully inserted.

A buzzer sounds, then in about 3 seconds, a second buzzer sounds.

After a brief self-test, the green Operational LED flashes.

NOTE: The Operational LED is not shown here because the specific location varies per application.

5. Determine the type of STOP pushbutton supplied with your transmitter (see below), and disengage the STOP function accordingly:
   - Pull-out Type—pull out the STOP pushbutton (do not twist).
   - Twist Type—twist the STOP pushbutton.



Pull-out Type



Twist Type

6. Press the green START/HORN pushbutton (if equipped).
7. Test the machine functions to ensure that the machine responds as expected.

DANGER: Machine functions operate during this test. Confirm that it is safe to test the functions and there are no obstacles near the machine.

8. Push in the STOP pushbutton and test the machine functions again to confirm that they DO NOT function.

DANGER: If any machine functions operate with the STOP pushbutton depressed, STOP IMMEDIATELY, turn OFF the transmitter, remove the batteries, and see your supervisor for next steps.

9. Repeat step 5.
10. Press the START/HORN pushbutton (if equipped).

    Your system is ready for operation.

Stopping Your Transmitter

1. Depress the STOP pushbutton
2. Rotate the KEY SWITCH to the OFF position.
3. Remove the KEY CAP.

   Store the KEY CAP in a safe place to prevent unauthorized use.

Emergency Stopping

Press the STOP pushbutton. Confirm that all dangerous situations are corrected before restarting.

Understanding the Operation LED

The green Operation LED indicates the following operational condition and status:

- Steady Green - Transmitter is ON, but not yet operational.
- Flashing Green - Transmitter is operational.

Low Battery Alert

During operation, a buzzer sounds to alert you to a low battery condition.

For safety reasons, the transmitter automatically shuts down after 30 seconds. Use this time to place your machine in a safe position.

To restart your transmitter, replace the discharged batteries, and see the *Starting Your Transmitter* procedure for next steps.

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