

RC-MOWERS
AUTONOMOUS Mowing
Robots



RC-MOWERS AUTONOMOUS Mowing Robots Owner's Manual

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RC-MOWERS AUTONOMOUS Mowing Robots



Specifications

- Remote E-Stop Functionality
- LED Status Lights and Sounds
- Pairing Capabilities
- Compliance with FCC Rules
- Compliance with Innovation, Science and Economic Development Canada's regulations

Product Usage Instructions

Remote E-Stop Operation:

E-Stop is an Emergency Stop that will shut down the engine of the mower when the red knob is pressed.

Remote Alerts:

(OPERATOR-CARRIED) LED STATUS LIGHTS AND SOUNDS:

- **Solid Green** – Plugged In and Charging
- **LED Turns Off** – Plugged In and Fully Charged
- **Flashing Green** – Charging Failure
- **Flashing Yellow** – Low Battery
- **Solid Magenta** – Remote Device Error
- **E-Stop Knob Flashing Red** – Operating
- **Quiet 3-Tone Sound** – Turn On and Turn Off
- **Pulsing Blue** – Pairing Mode

- **Quiet Single Tone** – Pairing

Receiver Alerts:

(MACHINE-MOUNTED)

- **Solid Green** – Receiver Connected to E-Stop and Working
- **Solid Red** – Connected and E-Stopped
- **Flashing Red** – Not Connected to E-Stop
- **Pulsing Blue** – Pairing Mode
- **Flashing White** – Messaging Failure
- **Pulsing Red-Cyan** – Receiver Relay Failure
- **Solid Magenta** – Receiver Radio Failure

Remote E-Stop Best Practices and Limitations:

PAIRING REMOTE E-STOP TO ONE OR MORE MACHINES:

1. Remote Pairing: Turn on remote, then hold pairing button for 5 seconds until it beeps and button flashes blue.
2. Machine Pairing: Ensure machine is powered on, then hold pairing button on receiver for 5 seconds until button flashes blue. Receiver will automatically pair and blue receiver button will stop flashing.
3. Finish Pairing: Press pair button on remote once. Blue light will stop flashing. Connection process may take up to 20 seconds or require machine key switch turned off and back on.
4. Test Functionality: Verify that receivers show a solid green LED. Test emergency stop functionality to ensure it works correctly.

Frequently Asked Questions (FAQ)

- **What is the purpose of the Remote E-Stop function?**

The Remote E-Stop function is designed to shut down the engine of the mower in case of an emergency by pressing the red knob on the remote.

- **How do I pair the remote with the machines?**

To pair the remote with one or more machines, follow the detailed pairing instructions provided in the user manual under “Remote E-Stop Best Practices and Limitations” section.

- **What should I do if I encounter a charging failure or low battery alert?**

If you encounter a charging failure or low battery alert, ensure that the charging connections are secure and try charging the device again. If the issue persists, contact customer support for further assistance.

REMOTE ALERTS OPERATOR-CARRIED



LED STATUS LIGHTS AND SOUNDS:

- **Solid Green**—Plugged In and Charging
- **LED Turns Off**—Plugged In and Fully Charged
- **Flashing Green**—Charging Failure
- **Flashing Yellow**—Low Battery
- **Solid Magenta**—Remote Device Error
- **E-Stop Knob Flashing Red**—Operating
- **Quiet 3-Tone Sound**—Turn On and Turn Off
- **Pulsing Blue**—Pairing Mode
- **Quiet Single Tone**—Pairing

RECEIVER ALERTS (MACHINE-MOUNTED)



- **Solid Green**—Receiver Connected to E-Stop and Working
- **Solid Red**—Connected and E-Stopped
- **Flashing Red**—Not Connected to E-Stop
- **Pulsing Blue**—Pairing Mode
- **Flashing White**—Messaging Failure
- **Pulsing Red-Cyan**—Receiver Relay Failure
- **Solid Magenta**—Receiver Radio Failure

REMOTE E-STOP BEST PRACTICES AND LIMITATIONS

- Stay within 500 feet (153 m) with clear line of sight. (May work up to 1500 feet (458 m) in ideal conditions.)
- Minimize obstructions between mower and E-Stop remote, including operator's body.
- Power lines, metal fences, and metal structures may negatively affect performance.
- Charge with USB-C cord.
- Charge remote once per week. Weekly charging will require less time.
- A full charge takes approximately 8 hours. Remote will last up to 100 hours per charge.
- Use caution when loading/unloading and around tree branches to prevent antenna damage.

PAIRING REMOTE E-STOP TO ONE OR MORE MACHINES

- **Remote Pairing:**
Turn on remote, then hold pairing button for 5 seconds until it beeps and button flashes blue.
- **Machine Pairing:**
 - Ensure machine is powered on, then hold pairing button on receiver for 5 seconds until button flashes blue. Receiver will automatically pair and blue receiver button will stop flashing.
 - Repeat this step for each machine before next step.
- **Finish Pairing:**

Press pair button on remote once. Blue light will stop flashing. Connection process may take up to 20 seconds or require machine key switch turned off and back on.

- **Test Functionality:**

Verify that receivers show a solid green LED. Test emergency stop functionality to ensure it works correctly.

FEDERAL COMMUNICATIONS COMMISSION STATEMENT

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications made to the RC Mowers Remote E-Stop device not expressly approved by RC Mowers could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.


INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT STATEMENT

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.

CUSTOMER SUPPORT: [920-634-2227](tel:920-634-2227)

Documents / Resources

	<p>RC-MOWERS AUTONOMOUS Mowing Robots [pdf] Owner's Manual 2BF8N-RCM7XQ9, 2BF8NRCM7XQ9, rcm7xq9, AUTONOMOUS Mowing Robots, AUTONOMO US, Mowing Robots, Robots</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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