



IRIS Manual

Version 1.0

Date: 2025-10-15

1. Introduction and system overview

Purpose: This manual provides instructions on the IRIS system to make sure IRIS is implemented in a safe and compliant way. It is intended for technical operators and engineers responsible for the integration, deployment and support of IRIS. It covers specifically product compliance related instructions.

The basic functionality of the unit will include, but is not limited to, monitoring engine speed, shutdown control, potential automatic control of the starter solenoid, some feedback for status of the battery charge state, some recording of basic information (engine hours, blade clutch hours, etc...), a serial data bus to allow a variety of additional features with a simple 3 pin connector at any time as well as to give the unit the ability to be re-programmed any time a new feature or update is needed or desired, and wireless communication including BT Smart.

2. Warnings and notices

IRIS is installed during the manufacturing of the end product and may only be installed by professionals.

Note: Changes or modifications made to this equipment not expressly approved by Husqvarna may void the FCC authorization to operate this equipment.

WARNING: To comply with RF exposure requirements, please maintain a separation distance of at least 1 cm/0.4 inches from any part of the product.

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.

Note: This device complies with Part 15 of the FCC Rules and contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s).

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 of the device.

For Canada

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

3. Technical Specifications

Parameter	Specification
Voltage	12 VDC
Operating Temperature	-20°C to +80°C
Communication Interface	Bluetooth Low Energy
Frequency band	2400-2483.5 MHz
Max RF output power	+3 dBm
RF antenna	2.4 GHz, monopole

4. Installation and Setup

IRIS is installed during the manufacturing of the end product and may only be installed by professionals according to the installation instructions.

Make sure to pay attention to the RF exposure separation distance when integrating IRIS into other products. A RF exposure evaluation should be done for each product that IRIS is integrated into.

Make sure the end product is listed with Bluetooth® Special Interest Group.

For USA and Canada:

Verify that the machine fulfills requirements for EMC Part 15B as required for a SDoC to be issued.

Assess the end product to make sure radio requirements are met. Apply a permissive change process if applicable.

If IRIS is built into a machine so that the FCC ID and IC ID cannot be clearly seen from the outside of the machine, make sure to label the machine with the following:

This device contains FCC ID ZASIRIS03 IC: 23307-IRIS03

For US also the following text should be on the machine:

NOTICE:

This device complies with Part 15 of the FCC Rules and with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- *this device may not cause harmful interference, and*
- *this device must accept any interference received, including interference that may cause undesired operation.*

The text above may be on the same or separate labels or markings on the machine. The text should be readable, typically larger than 4 pt. No other specific requirements of size, color, etc. exist

FCC ID: ZASIRIS03, IC ID: 23307-IRIS03

Supplier's Declaration of Conformity:

Responsible party: Husqvarna Consumer Outdoor Products N.A., Inc,
8825 Statesville Road, Charlotte, NC 28269,
Tel: +1 704 597 5000,
www.husqvarna.com/us/support/e-mail/

For EU:

The output power and frequency should be stated in the manual of the end product. A Declaration of Conformity should accompany the end product, declaring against Radio Equipment Directive. It can be a Declaration only covering IRIS, but it is preferred to have one declaration covering all applicable directives and regulations.

The end product should also be verified against applicable EMC and radio requirements.