

Wireless Remote for Honda EU70is

User manual

INSTALLATION INSTRUCTIONS



Dear Customer,

Thank you for choosing the Berema Wireless Remote Start System as an option for your Honda EU70is Generator

We hope the system can contribute to greater flexibility and application of your generator, by controlling the unit through this remote control.

Content in this user manual:

1. Safety.....	s 3
2. Start and stop the generator	s 3
3. Symbol explanation.....	s 3
4. Manual start of the unit without the use of remote control.....	s 4
5. Before calling the dealer / support.....	s 5
6. Programming a new remote control	s 5
7. Installation Instructions for Wireless Remote Start EU70is.....	s 6
8. Environment.....	s 8
9. Technical data.....	s 8
10. Replacing the battery.....	s 9
11. Product number.	s 9
12. FCC Statements.	s 10

1. Safety

Please read this user manual carefully before using the new Wireless Remote Start System. Save the user manual for later use. The manufacturer and distributor cannot be held liable for damage or defects caused by improper use, or use in violation of the user manual and the installation instructions.

2. Start and stop the EU70is with the remoter



1. The main switch on the unit is set to position 1.

2. Before using your new remote control, make sure to insert the supplied battery. For guidelines, follow the procedure under 10 in the user manual



3. ON / OFF on the remote control is pressed and released. The remote control will emit a green flashing light within 2 seconds as an indication that ignition is enabled.
4. The generator is started by pressing and releasing START on the remote control. The remote control will emit a green flashing light confirming that it has started.
5. The generator is stopped by pressing and releasing ON/OFF on the remote control. The remote control will emit a red flashing light confirming that the unit has stopped.
6. Always set the main switch to position 0 when leaving the aggregate, to prevent the battery from being discharged. (Power consumption on the generator and remote start module is very low when the unit is not in use, but over time, the battery can be discharged if the main switch is in position 1).

(See Honda EU70is Owner's Manual that came with the unit)



3. Symbol explanation

1. ON / OFF button to turn on the ignition on the unit.
2. START button to start the unit
3. ON / OFF button to stop the unit.

4. Manual start of the EU70i unit without remote control

If you have lost the remote control or for some reason can not start via the remote control, the generator can also be started from the receiver module attached to the unit..

1. Press and release ON / OFF on the receiver module to enable ignition.
2. Press and release START on the receiver module to start the unit.
3. Press and release ON / OFF to stop the unit.

Receiver module



Note!

If the ignition is not turned on, the display is dead and the main switch is in position 1, the starter battery may have a low voltage. The unit must then be started manually by hand with power start. (See Honda EU70is Owner's Manual that came with the unit)

Note!

If the generator not shall be used for a period of 3 weeks, and the main switch is left in position 1, the remote start system will be set to a "power low" mode automatically to prevent battery discharge. Turn the main switch OFF and ON for activating the remote start system again.

5. Before calling your dealer / support

The ignition and display on the generator are not activated when the ON button on the remote control is pressed	Make sure that the main switch on the generator is in position 1.
The generator will not start when you press the START button on the remote control	Make sure that the main switch on the generator is in position 1 and that there is sufficient voltage on the battery in the generator itself.
The engine works but the generator will not start	Check that there is sufficient gasoline on the tank and that the oil level is correct on the engine.
Remote control does not work	Check / replace battery in remote control (see chapter 10).
There is an error message in the generators display	See the Honda EU70is Owner's Manual.

6. Programming of additional / new remote control (pairing)

1. Press and hold ON / OFF and START on the receiver module for 5 seconds. A yellow light in the center of the receiver module will light as an indication that mating can start. Then release ON / OFF and START.
2. Yellow center light starts blinking.
3. Press and hold an active button on the remote control for approx. 5 seconds.
4. Green flashing LED on remote control will indicate that pairing is OK.
5. The remote control is now ready for use.

(Each generator can optionally have up to 6 remote controls).

Note!

If the green LED on the remote control does not flash after 5 seconds, and the yellow center LED on the receiver module continues to flash, pairing is not performed properly. Press and release ON / OFF on the receiver module to cancel the pairing process, or wait until the yellow LED stops blinking. Then repeat paragraphs 1-3 above.

7. Installation Guide

Before you begin, make sure to check the content of your box:

- Remote control
- Receiver module with cord and plug
- User Manual / installation guide
- Plastic bag with 2 screws for attaching radio module
- 2 x Battery CR2032 (one in reserve)



1. Use a screwdriver to loosen the screw and remove the cover in front of the generator.



2. Disconnect the minus pole cable on the starter battery.



3. Remove the white plug from the remote socket that is in the generator.



NB! Take care of this plug for later use, if the unit is to be reset and used without remote start. Without this plug, the unit will not work. Place the plug in the plastic bag that comes in the box and strip it as shown in the picture.



4. Create a track below the cover as shown in the image. Make sure the slot is large enough so that the cord does not get caught up.



5. Attach the receiver module as shown in image with the two included sheds



6. Connect the receiver module by plugging the plug into the remote socket on the aggregate. Attach blue cord with cable shoe on the minus pole of the battery. Make sure that there is good contact.



7. Put the cover on the front of the unit and tighten the screw. The unit is now ready for use with the remote control!

8. Environment

Follow the national laws and regulations for waste and recycling of electronic waste.

9. Technical data

Remote control

Dimensions (DxH):	50x12mm
Weight:	42 grams
Battery:	12V
Battery life:	Up to 2 years

Receiver module on the generator:

Dimensions (LxWxH)	113x71x29 mm
Weight	130 grams
Power supply	12V
Power consumption	1.9 mA when main power switch is in position 1.

General data

Range	25-30 meter (free-sight)
Temperature range	-25° til +40°
IP class	54
Frequency	2,4GHz

The product is certified according to the following standards:

- Safety: EN 60950-1
- EMC: EN 301 489-17 V3.1.1
- Radio: EN 300 328 V2.1

10. Battery replacement on remote control

Battery replacement can be performed by user. The battery must be replaced at least every other year.

The battery is located on the back of the remote control. Turn the battery cover counter clockwise to get to the battery (for example, use a crown piece).

Notice how the battery is placed due to polarity. Insert a new CR 2032 (3V lithium) battery into the battery cover in the same position as the old battery. Replace battery cover and screw clockwise.



11. Product number

TFSEU70

Wireless remote starter for EU70is, complete kit

TFSEU70F

Remote control for TFS70

TFSEU70M

Receiver with antenna and plug for TSF70

TF70K

Cable, 3m extension with plug at each end of the TFS70M

12. FCC Statements

FCC Modification Statement

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Statement

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.

FCC Interference Statement

This applies to Berema Generator unit and remote controller:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Exposure Statement

This portable device with its antenna complies with FCC/IC RF exposure limits for general population / uncontrolled exposure. The antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Canada required statements

This Device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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 ; (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



Berghagan 7, 1405 Langhus
Postboks 454, 1401 Ski
Ph 64 86 05 00 - Fax 64 86 05 49
e-mail : berema@berema.no
web site: www.berema.no