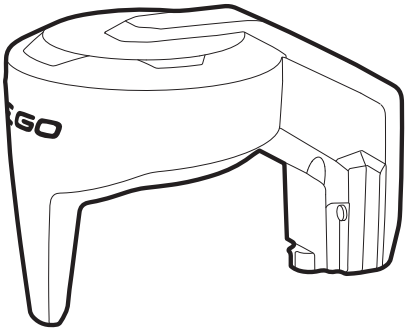
EGO™

AURA-R2



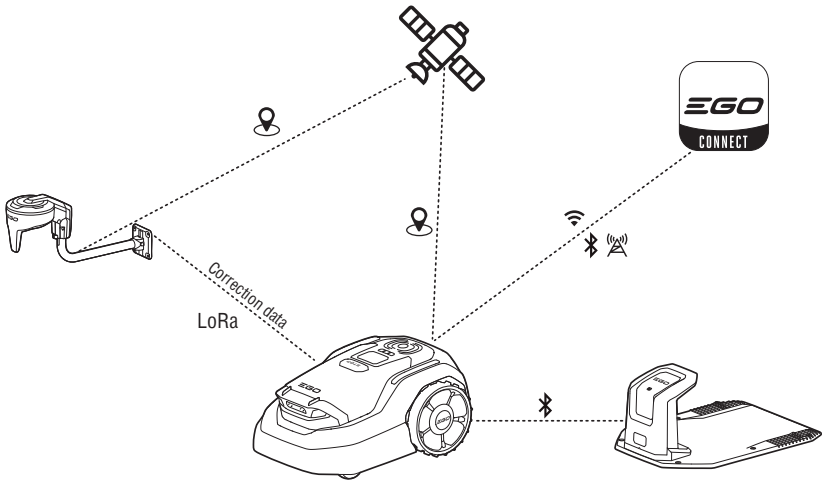
ARA2000

RTK ANTENNA

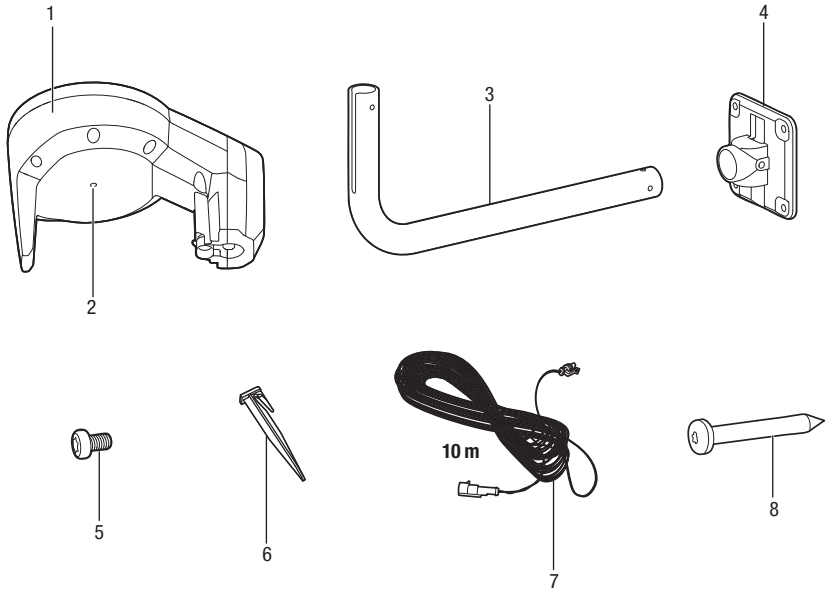
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ES	Antena RTK	19	LV	RTK antenna	83
PT	Antena RTK	23	GR	Κεραια RTK	87
IT	Antenna RTK	27	TR	RTK Anteni	91
NL	RTK-Antenne	31	ET	RTK-Antenn	95
DK	RTK Antenne	35	UK	Антена RTK	99
SE	RTK Antenn	39	BG	RTK Антена	103
FI	RTK-Antenni	43	HR	RTK Antena	107
NO	RTK-Antenne	47	KA	RTK ანტენა	111
RU	Антенна RTK	51	SR	RTK Antena	116
PL	Anetan RTK	55	BS	RTK Antena	120
CZ	RTK Anténa	59	HE	RTK אנטנת	131
SK	RTK Anténa	63	AR	RTK هوائي تقنية	127
HU	RTK Antenna	67			

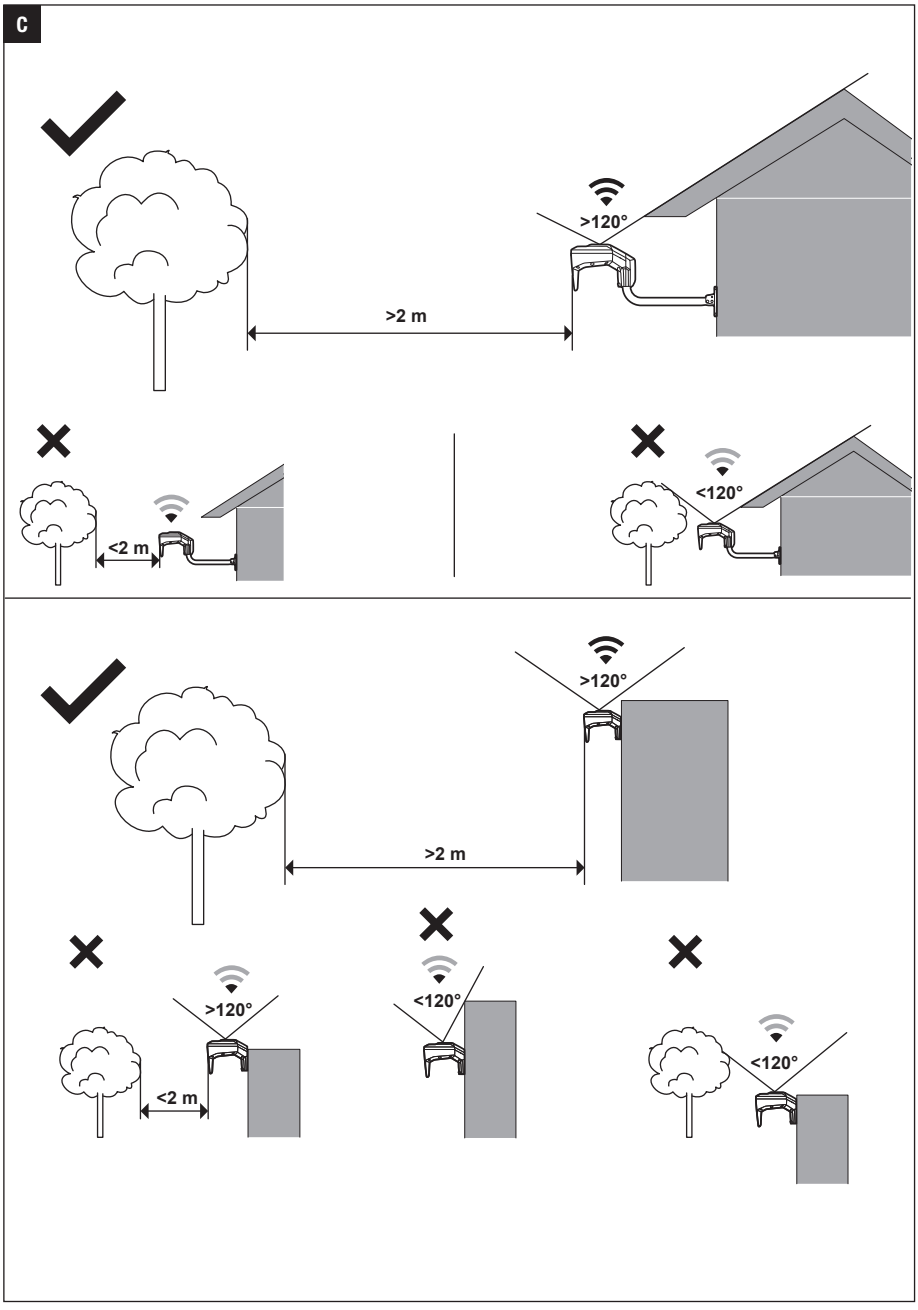
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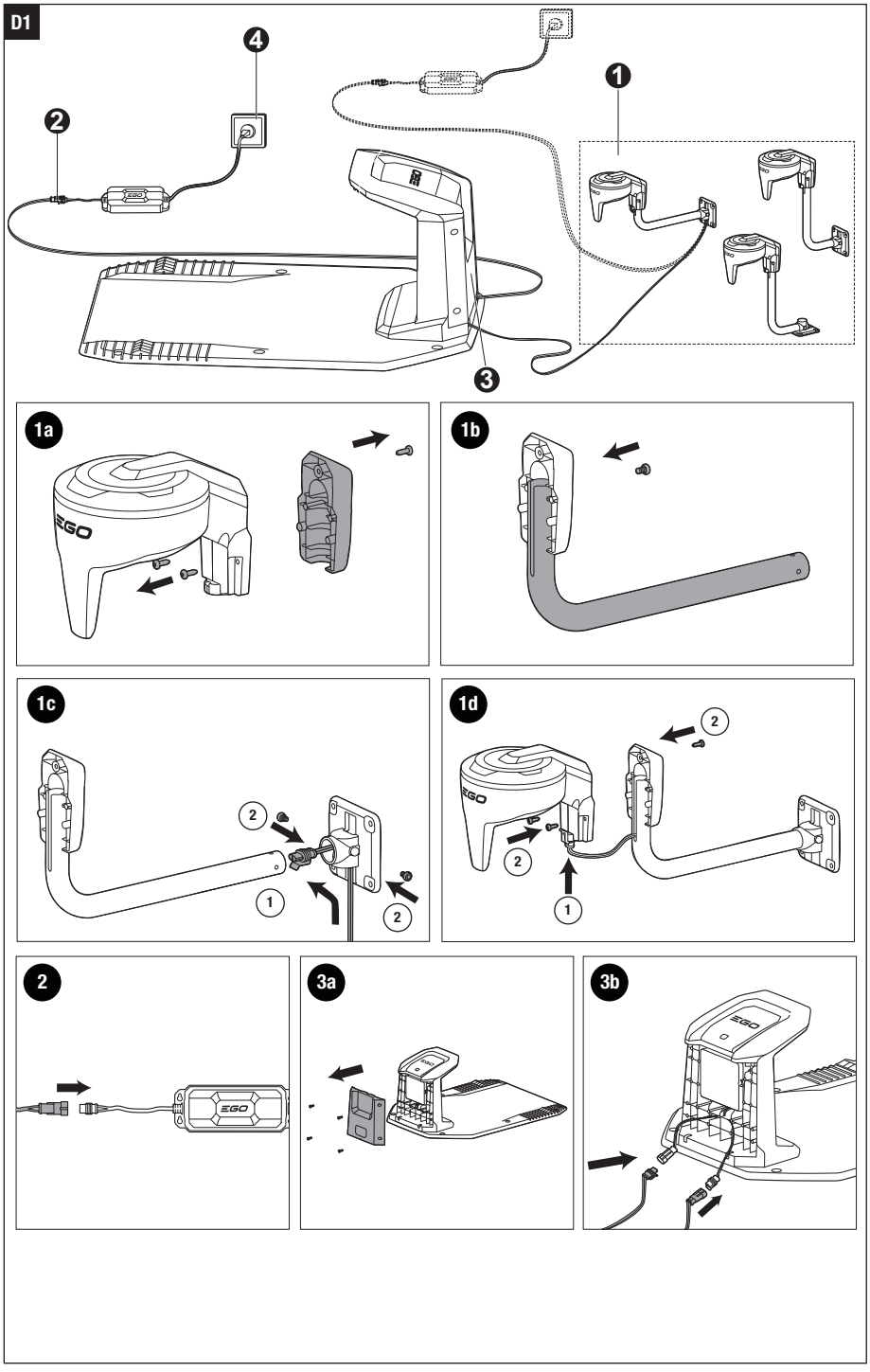
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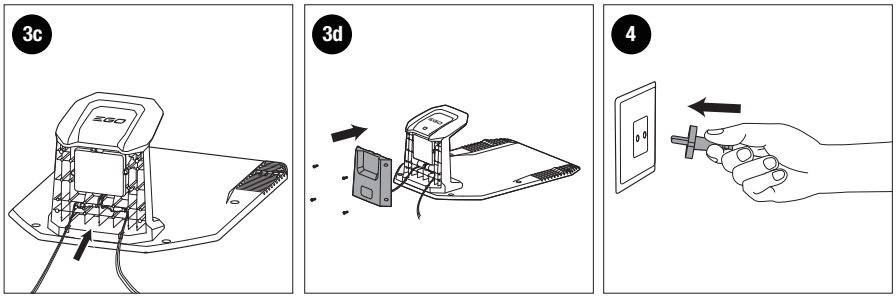
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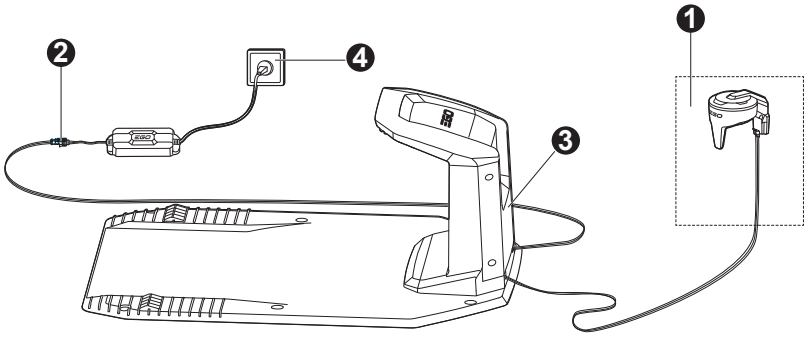

C
>120°
>2 m
<2 m
<120°
>120°
>2 m
>120°
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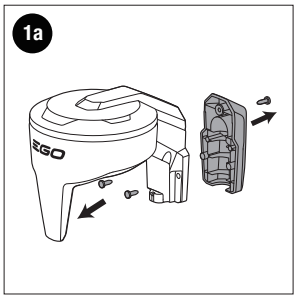

D1
1
2
3
4
1a
1b
1c
1d
2
3a
3b

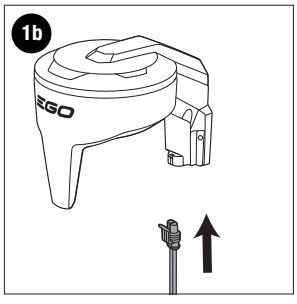
D1



D2





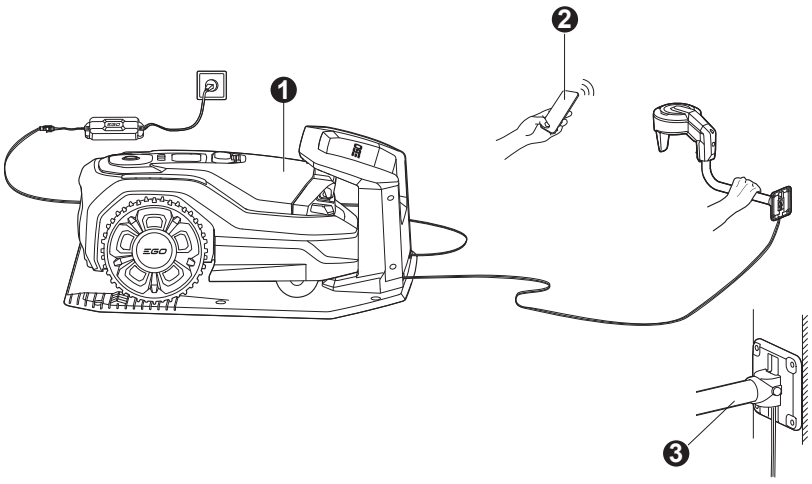


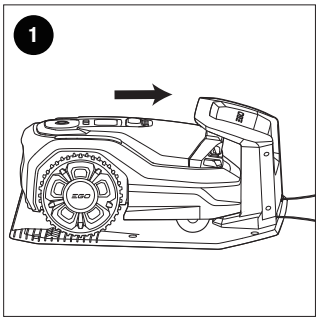
2 3 4

Follow Fig. D1:

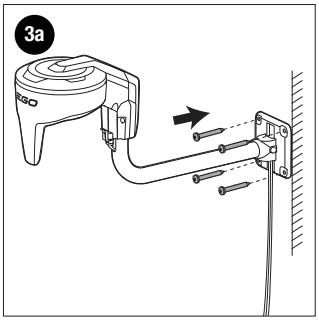
2 3a 3b 3c 3d 4

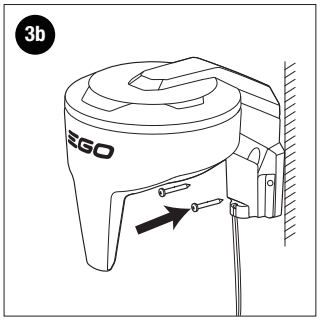
E











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NOTE: The following format is used in the Operator's manual to make it easier to use:

- Text written in *italicsis* a text that is in the EGO Connect™ app.

READ ALL INSTRUCTIONS!

⚠ **WARNING:** Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "**DANGER**", "**WARNING**" and "**CAUTION**" before using this product. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

⚠ **WARNING:** To ensure safety and reliability, all repairs should be performed by a qualified service technician.

SAFETY INSTRUCTIONS

READ CAREFULLY BEFORE USE.

KEEP FOR FUTURE REFERENCE.

- Obey national regulations about electrical safety.
- The product is only to be used with the power supply supplied by the manufacturer.
- The product must only be used with the equipment recommended by the manufacturer. All other types of use are incorrect.
- Please read the Operator's Manual of EGO RMR1500E/ RMR3000E/RMR6000E carefully and make sure you understand the instructions before using the product.
- Do not attempt to modify the product or create accessories not recommended for use with the product.
- Inspect the product carefully to make sure that no breakage or damage occurred during shipping.
- Make sure that the plugs of the low-voltage cable and the power supply are clean and dry before you connect them.
- There is a risk of falling objects during the installation of the RTK antenna which can result in injury.
- There is a risk of falling when you install the RTK antenna in a high position. Make sure that you have a stable position during installation.
- Do not put power supply cable and low-voltage cable in the work area, which can cause damage to the cables.
- Disconnect the product from the power supply before cleaning or performing any maintenance.
- To decrease the risk of damage to electrical components in the RTK antenna, we recommend that the power supply to the RTK antenna is disconnected if there is a risk of a thunderstorm. Connect the power supply again when there is no risk of thunderstorm.

SAFETY SYMBOLS

	Safety Alert
	Read & Understand operator's manual
	Designed to be supplied from a separated extra-low voltage (SELV) power source
	This product is in accordance with applicable EC directives.
	This product is in accordance with applicable UK legislation.
	Waste electrical products should not be disposed of with household waste. Take to an authorized recycler.
IP66	Protected from total dust ingress and from high-pressure water jets from any direction
m	Meter
cm	Centimeter
mm	Millimeter
°C	Celsius

INTRODUCTION

Product description

The RTK antenna receives satellite signals and sends correction data to the robotic lawn mower.

EGO AURA-R2 description (Fig. A)

The EGO AURA-R2 contains a robotic lawn mower, a charging station and a RTK antenna. The robotic lawn mower and the RTK antenna receives satellite signals for positioning. The RTK antenna is stationary and sends correction data to the robotic lawn mower to get an accurate position for the mower. The mowing zone is made virtually in EGO Connect™ app by operating the mower.

PACKING LIST (FIG. B)

DESCRIPTION

Know Your RTK Antenna (Fig. B)

1. RTK Antenna
2. LED Status Indicator
3. Wall-mount Pole
4. Wall-mount Plate
5. Bolt (3)
6. Stake to Fix the Low-voltage Cable (10)
7. Low-voltage Cable
8. Screw (4)

SPECIFICATIONS

Input		18-28 V d.c.
RTK antenna IP-classification		IP66
Low-voltage cable length		10 m
RTK antenna weight		0.7 kg
Lora	Frequency Band(s)	863-870 MHz (Europe, Middle East, Africa)
	Frequency Band(s)	917-920 MHz (Israel)
	Max. RF Power	22 dBm (Conducted Rated)
Recommended operating temperature		0°C – 40°C
Recommended storage temperature		-40°C – 70°C

INSTALLATION

Examine Where to Put the RTK Antenna (Fig. C)

You can install the RTK antenna on a wall, follow the basic principles (Fig. C).

Installation process on app will help guide you in selecting appropriate location. Where possible choose an open area with no obstacles blocking views in any direction if possible (within at least the radius of 2 m).

- Try to keep the sky directly above the antenna unobstructed by trees or roofs.
- If full openness on all sides cannot be achieved, at least keep the southern sky clear when in the Northern Hemisphere, or the northern sky when in the Southern Hemisphere (If possible, try to keep the east and west sides clear of obstacles).
- Install the RTK antenna on a fixed object that cannot move or rotate.

⚠ **CAUTION:** If there is a lightning rod nearby, do not install the RTK Antenna higher than the lightning rod.

⚠ **CAUTION:** Do not install the RTK Antenna on a flagpole. Movements of the antenna will affect the correction data sent to the product with the accurate position.

NOTE: If the RTK antenna is installed on a wall, the top of the antenna must be above the wall. Metal objects can cause interference with the antenna signal.

NOTE: Do not fix the RTK antenna in place until signals have been verified and location deemed suitable by app process.

Assemble the Charging Station and the Antenna (Fig. D1, D2)

You can select appropriate assembly way according to the RTK antenna installation location:

- Install the RTK antenna by wall-mount pole on a wall, refer to D1.
- Install the RTK antenna directly on a wall, refer to D2.

NOTE: The RTK antenna can be connected to either the charging station or the power supply via low-voltage cable.

Select the RTK Antenna Place for Installation via App and Secure the Antenna (Fig. E)

Fig. E illustrates the RTK antenna mounted on the wall by wall-mount pole.

To pair RTK antenna with mower

To pair the antenna with the mower, follow the instructions below:

- Make sure the mower is switched ON and the antenna is plugged in.
- Push the mower into the charging station, make sure proper contacts between the mower and the charging station. Please wait until the charging status indicator flashes GREEN or solid GREEN.

NOTE: Make sure only one mower and antenna powered on at the same time so you know which RTK antenna paired to which mower.

The antenna will pair with the mower automatically, and the antenna status indicator flashes GREEN, meaning the antenna has been paired with the mower.

NOTE: Make sure that the maximum distance between the RTK antenna and the robot is 260 m.

NOTE: The maximum distance decreases if there are objects between the RTK antenna and robot.

To locate RTK antenna

- Follow the instructions in app and tap *Start*, move the antenna to the specified position, keep it upright for 1 minute and observe the signal strength. If the scores is more than 60 in the app, the antenna can be fixed here. If the scores is less than 60, please follow the instructions to find a better location. We recommend following the guidance in app to check for an even better location with a score greater than 80.
- Secure the antenna
  - For the antenna mounted by the wall-mount pole, refer to ③a.
  - For the antenna mounted directly on the wall, refer to ③b.
- When clear signal achieved as detailed in app, Tap *Locate antenna* in app, the antenna status indicator will glow solid GREEN, meaning the antenna location is fixed and the antenna function is normal. Once you have located the antenna, follow the instructions to proceed with the mapping.

To relocate RTK antenna

If you want to adjust the antenna or the wall-mount pole:

Tap ⋮ *(Device Details) > Others > Relocate Antenna* in app

Follow the guidance to relocate the RTK antenna and make sure the antenna always points straight up to the sky.

NOTE: You will need to remap all work areas when the RTK antenna has been relocated.

MAINTENANCE

Cleaning the Product

⚠ **WARNING:** Never use solvents for cleaning. If necessary, use a moist cloth to clean the product.

Protecting the Environment



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

TROUBLESHOOTING

LED Status Indicator on the RTK Antenna

The LED status indicator on the RTK antenna shows the current antenna status:

LED Status Indicator	Antenna status
Solid RED	Antenna has electronics error.
Solid GREEN	Antenna is powered by power supply or battery (battery is not in charged), and antenna function is normal.
Solid GREEN for 10 seconds, and flashing once every 2 seconds	Antenna is powered battery (battery is in charged), and antenna function is OK.
Flashing RED/GREEN alternately, flashing once every 2 seconds	Antenna is powered on normally, and no pairing with robot.
Flashing RED, flashing once every 2 seconds	Antenna has no communication with robot.
Flashing GREEN, flashing twice every second	Antenna site is in selection, and the score in app ≥ 60
Flashing RED, flashing twice every second	Antenna site is in selection, and the score in app < 60
Flashing GREEN for 1 second every 10 seconds	Antenna is in sleep mode.
Flashing RED/GREEN alternately, flashing twice every second	Antenna update is in progress.

WARRANTY

EGO WARRANTY POLICY

Please visit the website **egopowerplus.eu** for full terms and conditions of the EGO Warranty policy.