

Green Go Antenna

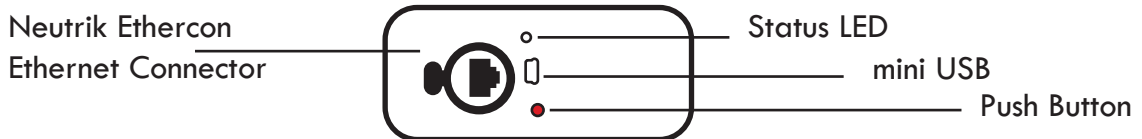
model nr. GGO-WAA



The Green Go Antenna connects the wireless belt-packs to other Green Go Stations via ethernet. It can also supply a Standalone setup, working as a connection between belt-packs.

Whats in the box: Wireless Antenna + Angled Bracket + 2 philips screws

Overview



Ethernet connector: Supplies access to the network and PoE (Power over Ethernet)

mini USB connector: Supplies power when in standalone mode

Push button: The Push button is used for activating pairing mode

Status LED:
 Green Flash - Another network device with the same configuration is on the system
 Red/Green Flash – No other network device with the same configuration on the system detected
 Red - Slow Flash The antenna is ready to be paired with a belt-pack

Basic Functions

Pairing: An Antenna needs to be paired with a belt-pack for the two to connect.

An antenna can serve up to 4 paired belt-packs, but remember pairing with up to 6 belt-packs

Roaming: Belt-packs can be set to search (roam) for a better signal to other paired antennas

Standalone: Using one antenna to create a Green Go network. This allows for a maximum of 4 paired belt-packs.

Setting up

Connect to power PoE (Power over Ethernet) or miniSUB (for Standalone mode)

Pair the Antenna with one or more belt-packs

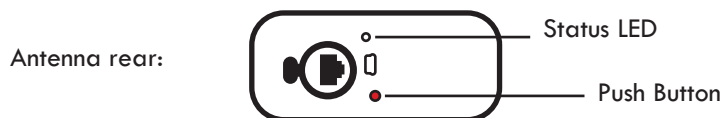
Mount the antenna. An angled bracket has been supplied for easy mounting.

It is recommended to place the antenna for the belt-packs 'line of sight'.

The antenna has a range of 50-300m depending on the environment.

Pairing

To pair a belt-pack with an antenna:



- Press and hold the push button on the rear of the antenna for two seconds. The Status LED will begin to flash red. and the Antenna will stay in pairing mode for 3 minutes or until pairing has been completed.
- On the belt-pack go to the Setup Menu/Connection/ and scroll to the slot you want to use for pairing the antenna.
 - If the slot you want to use is occupied, you can delete that antenna registration by clicking on the slot
 - scroll down to 'delete antenna'
 - click again.
 - The Display will read 'Delete' and the antenna will disappear.
- Then click on the slot
- Scroll down to Start pairing
- Click Start pairing
- The display will read 'Registering'
- When done the display will read 'Registered' and the Antenna will appear in that slot.
- It can take a few seconds for the display to update the slot.

When pairing a seventh belt-pack to an antenna, it will replace the belt-pack paired at slot no.6
 This can be reorganized via the Green Go Update Connection software.
 It is good practice to keep a standard setup of 4 belt-packs paired with one antenna, leaving room for two additional pairings in case of emergencies or just one offs.

Clear pairing

To clear registered belt-packs, you need to connect a computer to the network and run the Green-GO Update Connection software.

Scan for the devices and select your antenna. In the Properties section/Registered Packs/ you can delete registration by typing 0 in the field to the right of the RF ID A – F fields and press enter.

You will be asked to confirm the deletion of the pairing.

Clearing can also be performed manually on the Antenna. This will clear all pairings with the antenna.

1. Click the red pushbutton on the rear of the antenna for 2 seconds.
2. The Antenna will enter pairing mode and the indicator LED will start blinking red.
3. Click and hold the red pushbutton. (The indicator LED will start to blink fast).
4. Wait until the indicator LED stops blinking and just lights up red.

All pairings on the antenna has been cleared.

Roaming

If connection to an antenna is lost then the belt-pack will search for a new antenna and reconnect automatically after a few seconds.

Settings for the minimum level of signal quality can be set in in the belt-pack setup menu/connection/roaming Levels from 1-5 can be set and when getting below that level the Belt-Pack will start roaming(searching) for a better connection to an Antenna registered on the Belt-pack.

This can also be done manually by shortly flicking the power switch on the belt-pack.

This requires that you have enabled 'Forced reconnect' in the belt-pack setup menu/connection/Forced reconnect.

Standalone mode



By pairing up to 4 belt-packs to 1 antenna and supplying the antenna with power via the usbMini connector you can create a small standalone setup. The setup will work with all normal functions available between wireless belt-packs.

When in standalone mode, the Status LED will flash Green/Red, as no other network device is visible.

2 standalone setups can be connected by adding an ethernet cable between the two antennas.

Updating firmware

The firmware can be uploaded via ethernet or miniUSB.

The latest firmware can be found at www.GreenGoDigital.com

Download the latest firmware and the Green Go Control and Connection software.

- start the software
- click Scan to search for the antenna on the network
- Next select the antenna or multiple antennas and click on Update.

This will open a file selection window, browse to select the firmware for the device and click on Open, the updating of the firmware now starts.

After the update is successful, the device will reboot.

Troubleshooting

There is no signal or poor signal level to the belt-pack

- Check Pairing with Antenna
- Check you are within range (300 metres maximum with clean line of sight)
- Ensure that the antenna is vertically orientated

The antenna is not sending a signal

- Check that the LED is not flashing red and green.
- This means that there is no other device on the system or that the antenna is not configured to the network configuration.

I am unable to communicate with other units

- Make sure you are using the same configuration file on all units
- If you go to the setup menu/clone config and check to see if more than one config is available.

There is an echo on the system

- Establish if any microphones are open close to speakers.

I am trying to pair my belt-pack over the air with more than one antenna, but it will only connect to the first one

- When doing over the air pairing make sure the belt-pack is not connected to another antenna. Switch of other antennas that it has been paired to.

My belt-pack loses contact to the antenna when either the antenna or the belt-packs are very close together.

- Having 2 RF (radio frequency) devices next to one another can have an influence on RF behavior. They should be at least 1 meter (3 feet) apart.

Specifications

Wireless:

Range: 50-300m depending on the environment

DECT: Supports EU-DECT (CAT-iq V2.0, v3.0 partly), DECT 6.0 for North America and Japan DECT ETSI (EU-DECT) and FCC (DECT 6.0) certified
J-DECT pre-certified ETSI 300 444 (DECT GAP) compliant

RF: RF range: 1870 MHz to 1930 MHz

Receiver sensitivity: < -93 dBm

Transmit power: EU: 23 dBm: 1881 MHz - 1897 MHz
USA: 20 dBm: 1921 MHz - 1928 MHz
JP: 23 dBm: 1895 MHz - 1903 MHz

Physical:

Dimensions: 145mm x85mm x30mm

Weight: 200g

Connectors: 1x Neutrik Ethercon Ethernet, 1x miniUSB

Mounting: Right angled mounting bracket for microphone stands with a 3/8" thread

Power: Powered by PoE (802.3af Standard Power over Ethernet) from the ethernet port.
In standalone mode: miniUSB