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WBPXSP and other Green-GO devices. Each antenna supports up to four simultaneous users with multiple antennas deployable in the same system to increase the number of wireless users and or extend the usable range for specified users.

Quick and easy fitment options are provided by means of a recessed female 3/8" thread and an included right-angled mounting bracket. Powered via PoE through the network cable connected to the devices Ethercon port or via the mini-B USB 2.0 port.

Green-GO wireless operates in the 1.9 GHz "DECT" spectrum, as default supporting up to 20 connections per 50-300 m area, depending on the availability and characteristics of a given RF environment.

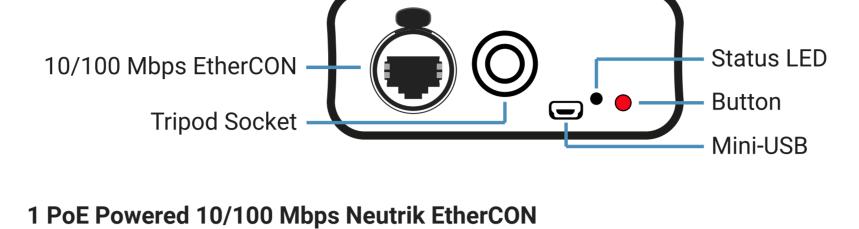
The Green-GO WAA wireless antenna comes with the following package contents:

What's in the box?

- 1 x Green-GO WAA wireless antenna • 1 x Metal Bracket
- 1 x Printed quickstart guide
- Optional Green-GO accessories

Device overview

Back panel



The 10/100 Mbps Neutrik EtherCON serves as power input and connection to the local

network. 1 3/8" Tripod Socket

The metal 3/8" tripod socked enables flexible mounting with stands or clamps.

1 Status LED The RGB status LED informs the user about the current device and connection state.

1 Button

The Button is primarily used to enable the over-the-air pairing mode.

The mini-USB port can act as an alternative power source. It enables operation without the

1 Mini-USB Port

The user interface The user interface on the Green-GO WAA wireless antenna consists of only one <a>Button and

function the button can be used to either clear the DECT module or start the device into Boot Mode.

one status LED on the bottom of the device.

use of a PoE network switch.

Pairing your belt packs

The Green-GO WAA wireless antenna connects over DECT to up to four wireless belt packs. As

per the DECT specification, both connection partners need to authenticate against each other.

The primary use for the Button is to enable the over-the-air pairing mode. As a secondary

This process is generally referred to as pairing. With Green-GO 5 the configuration of your wireless DECT pairings has been redesigned. We now distinctly distinguish between ad-hock over-the-air pairings and X-Pool connections. These pairings are done in pools, each containing up to four wireless belt packs.

pools share the same DECT frequency space. Therefore the amount of possible connections is limited and influenced by the local environment. Q **Tip:** Please check our guidance on how to estimate what is possible in your location.

It is possible to have multiple pools of different types in one Green-GO system. However, all

The ad-hock over-the-air pools are configured and managed exclusively on the devices

guide on wireless connections to learn more about the X-Pool pairings.

themselves. Meaning, adding or removing devices from the software is not possible. Also, roaming is **not supported** using this mode. The X-Pool connections are set up by connecting the belt pack via USB to the Green-GO Control

software and features roaming between up to 7 antennas. ⚠ Attention: This device documentation only covers the ad-hock over-the-air pairings. Please check out our

Device preparations

It is advised to clear the DECT module of all involved devices before you start configuring your pairings. Clearing the module will remove all existing pairings and reset all active connections.

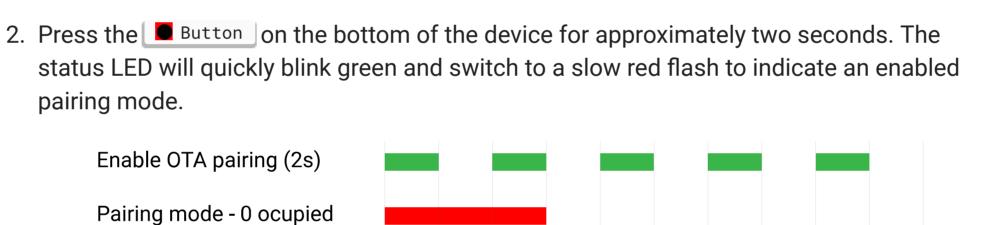
OTA mode (alone)

Reset an antenna's DECT module

Please follow these steps to clear the DECT module of your WAA antenna: 1. When powered up, your WAA wireless antenna will indicate its current status with the

status LED. The sequence shown below may be followed by a short red flash, indicating no configuration members could be found on the local network.

OTA mode (config found) X-Pool mode (alone) X-Pool mode (config found)



Start clearing radio (10s) Clearing in progres

short green flash followed by a very long red flash.

3. Press and hold the Button for approximately ten seconds to start the reset of the DECT

module. While beginning the clearing process, the status LED will flash red with medium

frequency. Once the process has been initialized, the status LED will change its pattern to a

5. The reset will take approximately 20 seconds to complete. After the reset has been finished, the pattern of the status LED will return to the OTA status. Reset a belt pack's DECT module

The DECT module of a WBPX or WBPXSP wireless belt pack can be cleared in the DECT setup

menu. After the process has been initiated, a popup featuring the message Program Wireless is shown. The process is completed after the message disappears.

└─> Clear RF

└─> Yes Reset

Setup Menu Guide

and removes all pairings.

4. Release the Button

Setup Menu └─> DECT └─> Information

Configure an OTA pairing The pairing of devices is done in sequence, meaning you can only pair one device at a time. D Notice: The over-the-air pairing method doesn't allow deleting or overriding single pairings. The only way to clear a pairing on an antenna is by resetting its DECT module; this, in turn, disconnects all connected devices

The status LED will quickly blink green five times and switch to a slow red flash to indicate an enabled pairing mode. Enable OTA pairing (2s)

Pairing mode - 3 ocupied

Enable pairing mode on the antenna

Pairing mode - 0 ocupied

Before you can pair a wireless device, you need to enable the pairing mode on the Green-GO

WAA wireless antenna. You do this by pressing the <a>Button for approximately two seconds.

Pairing mode - 1 ocupied Pairing mode - 2 ocupied

With the pairing mode enabled, the status LED will indicate the current slot ID being set up by flashing the status LED green. Pairing not possible An antenna with all four available slots occupied or configured in X-Pool mode will refuse to enter pairing mode and indicate this by a medium alternating red/green flash. Pair the belt pack

Next, you can start the pairing on the wireless belt pack by navigating to the DECT setup menu.

Here, you can start the pairing by selecting Pair Antenna. If this entry is missing, the belt pack

A popup on the belt pack will inform the user about the pairing status. Setup Menu Guide

is already connected to an antenna - in this case, you should reset the DECT module.

Technical specifications General **Connectors**: 1 x Neutrik RJ45 etherCON (10/100 Mbps), 1 x miniUSB 1 x Button **User controls**:

Mounting: 1 x 3/8" thread, 1 x 90° mounting bracket Power over Ethernet: IEEE 802.3af 48-56 Vdc **Power inputs**:

Setup Menu └─> DECT

Power usage:

DECT

Certification:

Downloads

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└─> Pair Antenna

└─> Start Pairing

Dimensions (H/W/D): 41 x 95 x 119 mm Weight: 218 g **Environmental**: Ambient temperature: 0° – +55° C Wireless

USB (optional): 5 Vdc

2,5 Watt typical, 4,5 Watt max

Supported standards: EU-DECT (CAT-iq V2.0, V3.0 partly), DECT 6.0 (North America), J-DECT (Japan)

Frequency spectrum: 1870 MHz – 1930 MHz **Receiver sensitivity**: < -93 dBm Transceiver output power: EU: 23 dBm (1881 - 1897 MHz)

MIC (J-DECT pre-certified)

ETSI (EU-DECT, compliant with ETSI 300 444 and ETSI 301 406)

USA: 20 dBm (1921 - 1928 MHz) Japan: 23 dBm (1895 - 1903 MHz)

FCC (DECT 6.0)

Firmware Latest firmware (ZIP archive)

Other • I Technical drawings (ZIP archive) • CE-Certificate (PDF)

• Firmware archive

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Last update: September 14, 2022 **Device Manuals** Wired User Stations Wireless Devices WBPX Beltpack X WBPXSP Beltpack X Sport WAA Antenna X Interfaces

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Switches

The WAA Wireless Antenna