# Green Go Wireless Beltpack

model nr. GGO-WBPX

The portable station that allows you to connect to all desired stations on the Green Go network.
The Wireless Beltpack connects via the Green Go antenna — WAA and uses DECT technology.
As all other stations in the Green Go network, the beltpack contains a Configuration File that
defines the system configuration.
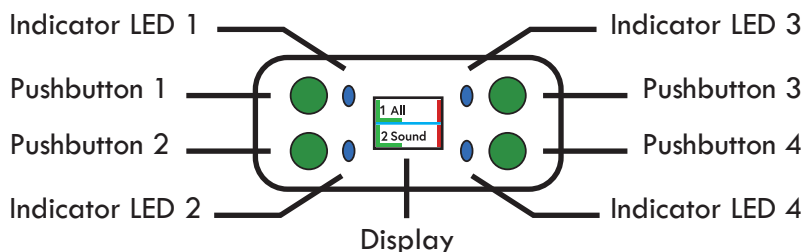*See the Functions and How to sections for more information about the Configuration file.*

**Whats in the box:** Wireless Beltpack + 1800 mAh Li-Ion Battery + miniUSB-USB cable + USB Charger

## Table of contents

GREEN GO COMMUNICATION

## Overview

### FRONT VIEW

Indicator LED 1

Pushbutton 1

Pushbutton 2

Indicator LED 2

1 All
2 Sound

Indicator LED 3

Pushbutton 3

Pushbutton 4
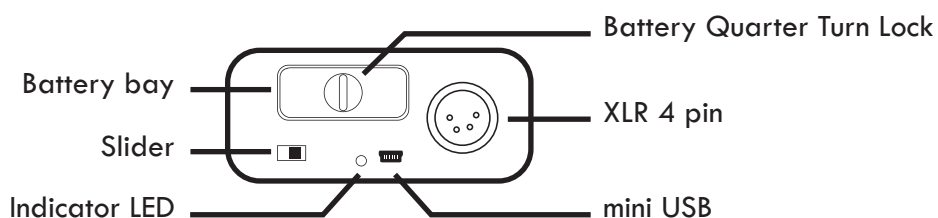
Indicator LED 4

Display

| | |
|---|---|
| **Indicator LEDs 1- 4:** | Indicates Pushbutton activity |
| **Pushbuttons 1- 4:** | The Pushbuttons are used for communication functions, such as Talk and Call and are also used in combination with the Encoders. |
| **Display:** | A full-colour OLED high-resolution display provides text information, cue signals, and shows the functions of the 4 buttons |

### SIDES + BOTTOM VIEW

Clickbutton Encoder

CLICK!!

Beltclip

Clickbutton Encoder
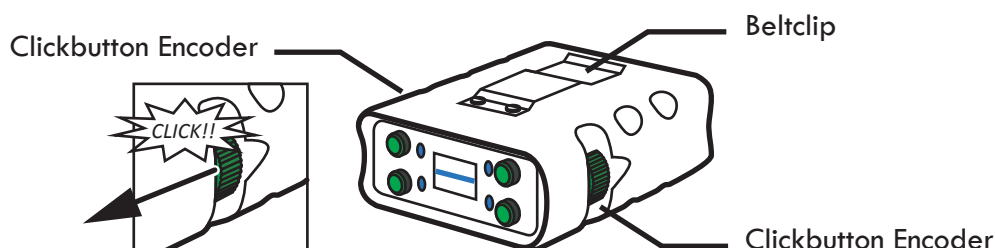
| | |
|---|---|
| **Clickbutton Encoders:** | Used for scrolling and selecting when navigating the menu. Also controls functionalities, such as volume and channel selection. One on each side allows for easy operation for both right and left handed users. |
| **Beltclip:** | Yes, you guessed it. For easy attachment of the beltpack. |

### REAR VIEW

Battery Quarter Turn Lock

Battery bay

Slider

Indicator LED

XLR 4 pin

mini USB

| | |
|---|---|
| **Battery bay:** | For easy change of Li-Ion battery GGO-NGRP |
| **mini USB connector:** | Used for charging the battery and PC/MAC connection |
| **Slider:** | Turns power ON/OFF and be used for Force Reconnect, if this feature is enabled. |
| **Indicator LED:** | Battery charging indicator. Red when charging. |
| **XLR-4 pin:** | For connecting Headset |

## Basic Functions Explained

**Pairing -** For a Beltpack to connect to an antenna, the two needs to be paired. A beltpack can be paired with up to 4 antennas. An antenna can service up to 4 beltplacks at a time, but remember pairing of up to 6 beltpacks.

**Configuration file -** The configuration file is a system configuration file containing information about Users, Groups and their interaction. For a beltpack to communicate with the other Green Go devices on the network, they need to have an identical configuration file loaded. The configuration file can be loaded/cloned from another device, the Factory default file can be chosen or a custom config file can be created in the Green Go Control software. The configuration file is contained in all units, except Switches.

**Clone config -** The configuration file can be cloned from another Green Go device on the network that contains the desired file.

**User selection -** A beltpack can be setup to use a predefined User profile. The rules for these User profiles are defined in the configuration file.

**Channel assignment** - The beltpack has 32 available channels. To Talk to or Call a user or group of users, you need to assign them to one of the available channels.

**Talk -** Talk to any User or Group assigned to one of the 32 channels on the Beltpack.

**Call -** Call any User or Group assigned to one of the 32 channels on the Beltpack.

**Answer -** Answer an incomming call

**Alert -** Send a visual and audio alert signal to any User or Group assigned to one of the 32 channels on the Beltpack.

**Volume adjustment -** Volume adjustment can be done for both the main volume and the individual channel volumes.

**Roaming -** The Beltpack can be set to search(roam) for and connect to another paired antenna in order to obtain a better signal. This requires that the roaming function has been enabled. The settings allow for both automatic roaming and forced reconnect.

**Encoder function assignment -** The clickable encoder wheels on either side of the beltpack controls Main volume per default, but can be configured for Side Tone or Program volume.

**Standalone:** Operation without connection to other ethernet devices is called standalone operation. Up to 4 beltpacks can be connected to eachother via one antenna to create a standalone Green Go setup.

## How to..

### Mount the battery
Push the battery in to the spring loaded battery bay, hold it in, twisting the lock a quarter turn to the right.

### Charge the battery
The battery arrives charged, but due to storage, we recommend to charge it for 4 hours before usage.
The battery can be charged either via the miniUSB connector or The Green Go 6 way charger GGO-BC6.
If charging via USB, we recommend using the supplied charger rather than a USB port, to ensure correct charging.

### Turn the Beltpack ON and OFF
Moving the Slider to the side and holding it for 2 sec. will turn ON the Beltpack
Moving the slider to the side and holding it for 3 sec. will turn OFF the Beltpack.

### Enter the setup menu
To enter the setup menu click both encoders simultaneously, by pulling them in the direction of the display. This action also works as a fast way to leave the Setup menu.

### Navigate the setup menu
Scroll using the encoders.
Select/Enter by clicking the encoders or one of the 4 Pushbuttons.
Exit menu level by clicking Cancel/Exit.

### Set User
Enter the Setup menu. Scroll to 'Set User'. Click 'Enter' Scroll to the desired user and click 'Enter'

## How to.. ...continued

### Assign channels

You can assign Users or Groups to any of 32 available channels.
Enter the Setup menu. Scroll to 'Channel Assignment' and click 'Enter'.
Scroll to the channel you want to assign a Group or User to and click 'Enter'
Scroll to ID and click 'Enter'.
Scroll to select what you want to assign; Group, User or None. Click 'Enter'
A list of available Groups or Users will appear.
Scroll to the desired Group or User and click 'Enter'

### Clone Configuration File

Enter the Setup Menu and scroll to Clone Config. Click 'Enter' and scroll to select the desired Configuration file.
The Factory default configuration file can be found at the end of the list.
Click 'Enter' to load the Configuration file.

### Pair a Belt-pack with an Antenna

To pair a belt-pack with an antenna:

Antenna rear:

Status LED
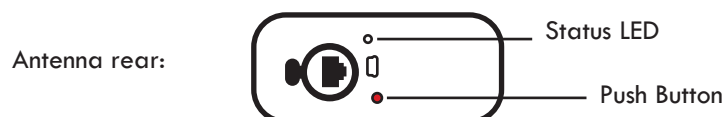
Push Button

- 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 beltpack to an antenna, it will replace the beltpack 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 beltpacks paired with one antenna, leaving room for two additional
pairings in case of emergencies or just one offs.

### Clear pairing

To clear registered beltpacks, 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 paring.

Clearing can on 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.

# User guide
# Green Go Wireless Beltpack
model nr. GGO-WBPX

GREEN GO
COMMUNICATION

## How to..    ...continued

### The UI

Indicator LED 1          Indicator LED 3

Pushbutton 1          Pushbutton 3

Pushbutton 2          Pushbutton 4

Indicator LED 2          Indicator LED 4
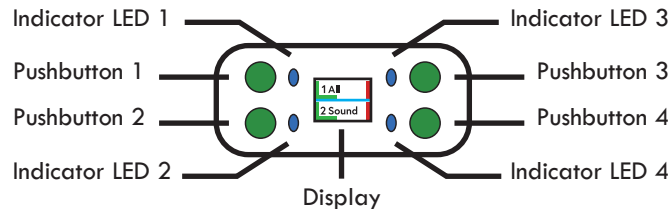
Display

### The Color Codes

**What does the color codes, in the Display and the Indicator LEDs, mean:**

**Blue: Inactive**  **Green: Channel open for you to Talk**    **Yellow: Someone is Talking on the channel**

**Red: Call signal received on the channel**  **Red flashing: Incomming Alert received on the channel.**

**White: Sending Alert signal**

### The Pushbutton functionality

Any examples in this user guide will assume that your beltpack is set to deafult UI: 2-part

Talk          1 All          Call / Alert
Talk          2 Sound          Call / Alert
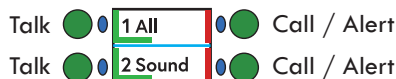
Functionality for Talk buttons: Pushbutton 1 + 2

Short press: Talk enabled until a second short press disables Talk again. (Known as Latching)
Long press: Talk while the button is pressed

Functionality for Call/Alert buttons: Pushbutton 3+4

Short press: Call signal sent
Long press: Alert signal sent (4 sec.)

### Extended view and functionality

Clicking and holding one of the encoders will bring up an info screen with extra access to the extended view.
It will show you the Battery status / The Antenna signal strenght / The Status / The User selected for the Beltpack
and from here you will, by clicking Pushbutton 4 be able to select the extended view.
When selecting Extended, you will see the rest of the 32 channels. In this view the functions are:
Encoders: Scrolling - Pushbutton 1: Talk - Pushbutton 2: Call/Alert - Pushbutton 3: Select (useable for volume setting,
Hold down Pushbutton and scroll up and down using an encoder) - Pushbutton 4: Exit extended view.

### Change UI

This manual assumes that you are using default UI: 2-part, but it is possible to change the UI layout.
When changing the UI it will affect which functions are available and where to find them.
For changing the UI, enter the Setup Menu and scroll to Device Options and click 'Enter'. Scroll to UI: and click 'Enter'
Here you will find different UI's :

UI: 2-part:          Display: 2 Channels - Pushbutton 1+2: Talk - Pushbutton 3+4: Call/Alert
UI: 3-part:          Display: 3 Channels - Pushbutton 1+2+3: Talk - Pushbutton 4: Extended view/Call/Alert
UI: 4-part:          Display: 4 Channels - Pushbutton 1+2+3+4: Talk
UI: Direct 2:          Display: 4 Channels - Pushbutton 1+2+3+4: Talk/Select
UI: Toggle 2:          Display: 4 Channels - Pushbutton 1+3+4: Talk/Select - Pushbutton 2: Toggle between channel 1+2
UI: Toggle 2inv:     Display: 4 Channels - Pushbutton 1+2+3: Talk/Select - Pushbutton 4: Toggle between channel 1+2
UI: - None: The display will be off, but the pushbutton functionality will be the same as when in UI: 2-part

## How to..    ...continued

### 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 the chosen level the Beltpack will start roaming(searching) for a better connection to an Antenna registered on the Belt-pack.
This can also be done manually by a short flick of the power switch/slider on the rear of the beltpack.
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. Called standalone as no other ethernet network devices are needed.
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.

### Adjust the Volume

Per default, the two encoders wheels both adjust the Main volume. This is with left and right-handed operation in mind.

Simultaneously clicking Pushbutton 1-4 when scrolling one of the encoder wheels, will adjust the volume of the channel that the Pushbutton controls.

The volume of the individual channel can also be set in the Setup menu.
The setting ranges from MUTE over -36dB to 12dB with 0dB as default.
To do this enter the Setup menu, Scroll to Channel Assignment and Click 'Enter', Scroll to the desired channel and
Click 'Enter', Scroll to volume and Click 'Enter', Scroll to the desired setting and Click 'Enter'.
Clicking Talk or Select while clicking the encoder will mute/unmute the channel.

### Assign new function to encoders

Two encoders wheels both adjust the Main volume.
The encoders can however be assigned new functions. These functions can be: None, Side Tone, Program Volume and
Main Volume. To do this enter the Setup Menu, Scroll to Device Options and Click 'Enter', Scroll to the encoder you want
to assign a new function to. Either 'Enc <' or 'Enc >', Click 'Enter', Scroll to the desired function and Click 'Enter' again.

### Reset beltpack to default settings.

Enter the Setup menu. Scroll to Info and click 'Enter'. Scroll to 'Reset All Settings' and click 'Enter'.
Click 'Yes Reset' to confirm.

### Updating firmware

The firmware can be uploaded via ethernet or miniUSB.
The latest firmware can be found at www.GreenGoCom.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.

# Reference

### Alert

Audio and Visual Alert sent from one User to another User or Group.
Depending on you UI settings, you can send an Alert signal to a channel(User/Group) by doing a long press on the Call button. This will result in a visual alert (Red flash) and a Buzzer sound at the selected channel(User/Group).

### Announce

Any group can be placed on the Announce channel. Announce channel is listen only. Any activity on the channel will be handled according to priority. Announce is higher priority than High Priority but is Muted by Emergency.

### Answer

Is a response to a Call. A User can choose to respond to an call by click+holding the encoder while answering.

### Buzzer

The Buzzer is a physical speaker in a unit. The buzzer sounds when an Alert is received.  The Buzzer can be turned ON or Off in Setup Menu: 'Options/Buzzer'

### Call

Is a conversation request that can be sent between Users and Groups. Depending on the UI settings a call can be placed by a short press of the Call button for the desired Channel (User/Group). A response to a Call is an Answer.
Sending and receiving Calls can be enabled and disabled for individual channels.

### Channel

A channel is a 'line' reserved for a specific User or Group. 32 channels are available on a unit. Each channel can have a User or Group assigned to them. You select the Users and Groups you want to communicate with and assign them to a channel. For fastest access, place the Users and Groups you have most interaction with at the lowest channel number.

### Channel assignment

To have access to a specific User or Group via the hardware interface (buttons and encoders), it is necessary to assign them to one of the 32 channels. This is done in the Setup Menu: Channel Assignment.

### Channel ID

Name of the Group or Channel

### Configuration File/Config File

The Configuration File is a file containing information about the system setup.
What Users and Groups are available and what the rules are for their communication.
The Config File has to be the same on every Unit in the GreenGo Intercom system for the units to be able to communicate. A Factory default Configuration file is available on every unit, but a custom Configuration file can be created in the Green Go Control software. The Config File can also be cloned from other Units containing the file.
A Unit can only have one Config File loaded.

### Cue

Cues can be sent from multichannel stations like the MCDX or an MCX. Cue's can be sent to Users or Groups.
The cues can be sent as either a direct GO cue or as a Standby/Attention Cue + a GO cue.
If sent as the latter, the cue will show up at the recepients display as an 'Attention' message.
The recepient can aknowledge the reception of the cue. Whereafter a GO cue can be sent.
The acknowledgement of the cue reception, can be set to either; Normal: Manual acknowledgement,
Auto answer: Automatic acknowledgement or Ignore: No acknowledgement.

# Green Go Wireless Beltpack

## Reference    *...continued*

### Direct Channel/ Direct Call

A direct channel is a channel reserved for incomming calls from Users that the recepient haven't assigned to one of the 32 available channels. Those calls are called Direct Calls. It is only available for User to User communication.

### Emergency

Any group can be placed on the Emergency channel. Emergency channel is listen only. Emergency is highest priority in the Green Go System and Mutes all other channels.

### Force reconnect

You can force the beltpack to disconnect from the antenna and reconnect to the best signal available.
This function can be enabled and disabled in Setup Menu: 'Forced Reconnect'.
To Force reconnect move the slider on the rear of the beltpack to the side shortly.

### Group

A group of Users. Users can be part of one or more groups. This could be a group for Sound Crew, Lighting crew, Stage Crew etc. This enables you to communicate with all members of the group at the same time.

### Isolate

When isolate is set to ON and you enable Talk on a channel, it will mute all other channels, as long as Talk is active.

### Latch (also used in connection with Momentary)

When you do not need to hold in the pushbutton to Talk. A simple buttonpress to enable Talk and another buttonpress to disable Talk.

### Listen on Talk

If Listen on Talk is on, Talking on a Muted channel will be temporarily unmute the channel for the reply to be heard.

### Momentary (also used in connection with Latch)

Is when a button has to be pressed as long as you want talk to be enabled.

### Pairing

Wireless beltpacks needs to be paired with the Antennas that should service it. A beltpack can remember pairing of up to 4 antennas. An antenna can service 4 beltpacks at a time but remmeber up to 6 beltpacks.

### PoE

Power Over Ethernet - is what it says. The power to the units is supplied by the PoE switch via the Ethernet cable.
This could be Antennas, Desk stations, Wired beltpacks etc.

### Popup

Popups occur when receiving a Cue or Direct Call.
The behavior of Popups can be set in Setup Menu: 'Options/Popup'

### Priority

A priority can be set for each channel. A higher priority channel will override a lower priority channel.
Levels are: Low, Normal, High, Announce and Emergency. When a channel with higher priority becomes active, the lower priority channels will be dimmed according to the setting in Setup Menu: 'Options/PriorityDim'.
The exception is Emergency, which Mutes all other channels.

## Reference    ...continued

### Program Audio

Your backround sound; it can be any user, group or the analog audio input (Line In) from e.g. the Deskstation or the Interface X

### Roaming

If the antenna signal becomes too weak, the beltpack can start searching for a better signal from other paired Antennas, this is called roaming. A beltpack can remember up to 4 antennas. See Pairing.
It is possible to set what level of signal strength causes the beltpack to start roaming, this is done in the Setup Menu under 'Connection/Roaming'. You can also force the beltpack to disconnect from the antenna and reconnect to the best signal available. This function can be enabled and disabled in Setup Menu: 'Forced Reconnect'
To Force reconnect move the slider on the rear of the beltpack to the side shortly.

### Set User

When starting to use a beltpack or other station, you can choose which User profile to use.
The User profile has been set up in the Configuration File. In the Factory Default Configuration file you can find Users like Stagemanager, FOH, Monitor, Director etc. Choose the one that fits best.

### SideT

Side Tone is the users own voice. A volume can be set for how high the users own voice should be in his/her own speakers/headset. This can be done in the Setup Menu: Audio settings/SideT

### Talk

Is to enable your microphone audio to be transmitted to an assigned channel. (user or group)
This is done by pressing the Talk pushbutton for the desired Channel(User/Group)

### Threshold

Threshold is the maximum level at which the microphone should avoid transmitting the audio that it picks up.
Users have individual voice levels, individual ways of positioning the microphone and one microphone has different sensitivity than others.  To avoid unwanted audio to be transmitted, like breathing set the threshold, if necessary.

### Tone

The level of the audio signal. Used for Alert, Cue, Connection status and Battery status.
The volume can be set in Setup Menu:'Options/Tone'

### UI

User Interface - UI is the layout of the display.
A variety of layouts are available. These can be found in the Setup Menu.
When the layout changes, so does the button functionality.

### User

You're a User. Everyone using the intercom are Users. Users can be part of Groups.
Custom Users and Groups can be created in the Green Go Control software.
When created, the User gets a named profile and is automatically saved in the Configuration File
(see Config File for further information). That user can then be loaded onto any device and can be loaded on to several devices at the same time.

# The Setup Menu

The following will introduce you to the Setup menu.
Where to find what you are looking for and a complete list of the Setup Menu with notations.

## The Sections

**Program In:** This section allows you to set parameters for the Program Audio
**Channel Assignment:** You have 32 channels available. Here you can assign Groups and Users to those channels.
**Audio Settings:** Here you can set the Audio options for your microphone.
**Options:** You will find general options here
**Set User:** This is the place to choose which User profile to use for your beltpack
**Clone Config:** Clone a Configuration File from another Green Go device or load the Factory Default
**Connection:** Settings related to your connection and the place to go for paring your beltpack to an antenna
**Device Options:** Options specifically for your device's UI settings and warnings
**Info:** Information about your beltpack and where you can choose to reset your beltpack settings.

## The Setup Menu Tree:

Exit //Leave menu
Program IN
        Exit //Go back
        Src:___
        Select Program Audiosource:  external audio source - Program audio - Mixer out etc.
        Vol:  Default: 0dB - Range:+12dB - -36dB - and MUTE//Volume of Program Audio
        Dim: Default: -6dB - Range: 0 - -24dB and MUTE //Program audio volume dimming during communication
Channel Assignment
        Exit//Go back
        1 - 32//Select channel to assign User or Group to.
                Exit //Go back
                ID: 258//ID of User or Group assigned to the channel
                        Exit //Go Back
                        Group//Assign Group to channel
                        User//Assign User to channel
                        None//Remove assignee from to channel
                Set Label//Set different label for channel
                        Cancel//Go Back
                        Group//Select a group label
                        User//select a user label
                        Clear//Clear the label set
                Talk: Latch/Momentary//Set the way the Talk button acts when pressed
                        Latch/Momentary //Short press: Latch - Long press: Momentary
                        Latch//A press on the Talk button enables talking - a second press disables talking
                        Momentary//If selected, the Talk button must be kept pressed to enable talking
                        Disabled//Disable Talking for this channel
                Listen On:
                        Listen On// Enable listening to this channel
                        Listen Off// Display will still indicate talking, but audio will be Off.
                Volume: //Set the volume for this channel
                        Default 0dB - Range: Mute, -36dB to 12dB
                Normal Priority//Set the priority level of the channel. Also see 'Options/Priority dim.
                        High Priority, Normal Priority, Low Priority
                Call Send Enabled//Enables or disables the ability to send calls to the channel.
                        Call Send Enabled/Call Send Disabled
                Call Receive Enabled//Enables or disables the ability to receive calls from the channel
                        Call Receive Enabled/Call Receive Disabled
        An: Assign Group to be handled as Announce Channel. See Priority and Announce
        Em: Assign Group to be handled as Emergency Channel. See Priority and Emergency

*...continues*

## The Setup Menu Tree:        ...continued

Audio Settings

      Exit//Go back

            Load Profile//Load an audio profile stored in the configuration file

            Exit//Go Back

      SideT:    SideTone //Set the volume for how high the user should hear himself

            Default: 0dB  Range: MUTE - 0dB

      Auto:    //Set the dynamic amplification to avoid distortion

            Default: Medium  Range: Slow - Off

            If set to 'Off' the Max Gain option is disabled.

      MaxG:    Max Gain//Set the maximum gain of the input signal/microphone signal

            Default: 50dB  Range: 60dB - 30dB

      Thld:    Threshold//Set the level required for the input signal/microphone audio to be transmitted.

            Default: -35dB  Range: -20dB - Off

            In 'off' setting, the microphone/input signal will transmit when Talk is active

            If Threshold is set too high the input signal/microphone audio can become sporadic.

      Hold:    //How long will a gate stay open after activity goes below the set threshold.

            Default: Fast   Range: XLong - Fast

      Bias:    //If an electret microphone is used Bias needs to be enabled to supply the power.

            Default: Off  Range: On - Off

      In:    Audio Input Source//Select the beltpacks audio Input Source

            Default: Headset  Range: 4kHz - 125Hz - Headset

Options

      Exit//Go Back

      Active Time: //Set the time in seconds, for a channel to be active after last audio activity.

            Default: 4.0s   Range: 45.0s - 0.5 s

      Isolate:    //If you enable Talk on a channel all other channels will or will not be muted.

            Default:  Off   Range: On - Off

      Buzzer:    //Enable or disable the buzzer sound that will sound if an alert is received.

            Default: Off  Range: On - Off

      Tone:    //Level of audio signal used for Alert, Cue, Connection Status and Battery status.

            Default:  -12dB   Range: Max, -1dB - -48dB, MUTE

      No Listen on Talk: //Allow a Muted channel to be temporarily Unmuted when enabling Talk on the channel.

            Default:  No Listen on Talk   Range: No Listen on Talk- Listen on Talk

      Answer Enabled: // Enable or disable ability to Answer a call.

            Default: Answer Enabled   Range: Answer Enabled - No answer

      Popup All: //Select Popup behavior

            Popup All //All popups are shown

            Popup Cue+Direct //Popups for Cue signals and direct Talk only

            Popup Cue //Popups for Cue signals only

            No Popup //(Yup, You guessed it)

      Priority Dim: //Set the dimming level of a lower priority channel if a higher priority channels becomes active

            Default: -6dB  Range: 0dB - -24dB, MUTE

      Direct Priority: //Set the priority for direct channels

            Default: Normal   Range: High - Low

      Direct Volume: //Set the volume for direct channels.

            Default: 12dB   Range: 12dB - -36dB, MUTE

      Cue Mode: //Set the response on Cue signals

            Default: Normal

            Range:   Ignore//Do nothing

                  Auto Answer//Automatically sends a 'cue received' confirmation to the sender

                  Normal//Requires the user to send a confirmation or reply

*...continues*

# Green Go Wireless Beltpack

## The Setup Menu Tree:        ...continued

Set User: //Select the user to be used with for the beltpack
    Cancel//Go Back
    'User A - Z'
Clone Config//Clone a configuration file from the network or load the Factory Default
    Cancel//    Go Back
    'Configuration File A-Z'
    Factory Default
Connection: //Select the the antenna or antennas to use and how to switch between them
    Exit//Go Back
    A 1: 02-E1-36-F4-30 //The mac adress of the antenna selected
        Exit//Go Back
        Name: 02-E1-36-F4-30 //Antenna Name
        ID: 02-02-E1-36-F4  //Antenna ID
        Delete Antenna //Clear pairing with the Antenna
    A2:  - empty
        Exit//Go Back
        No Antenna//Indicates that the slot is empty
        Start Pairing//Star pairing the Beltpack with the antenna set in pairing mode.
    A3 - A4: same...
    Roaming:// Set the level of signal quality where the beltpack should start roaming for better antenna signals
        Default:  Off    Range: 5 (Some Missing Signal) - 1 (Very Bad Signal), Off
    Disabled Force Reconnect://Should user be able to force a search and reconnect to a better antenna signal
        Default: Disabled Force Reconnect  Range: Disabled Force Reconnect - Enabled Force Reconnect
    Setup Country://Select region for change off frequency band
        Exit//Go Back
        Europe
        US
        Japan

Device Options
    Exit//Go Back
    UI: 2-part//Select the displays UI layout. This will also affect the function of the buttons.
         - //Display off - Buttons behave as in 2-part
        2-Part //Shows the two first channels
            Button 1: Talk Ch 1        Button 3: Call Ch 1
            Button 2: Talk Ch 2        Button 4: Call Ch 2
        3-Part    //Shows the three first channels
            Button 1: Talk Ch 1        Button 3: Talk Ch 3
            Button 2: Talk Ch 2        Button 4: Go to Ch 4 - 32
        4-Part //Shows the four first channels. Press once for select. Press second time to Talk
            Button 1: Talk Ch 1        Button 3: Talk Ch 3
            Button 2: Talk Ch 2        Button 4: Talk Ch 4
        Direct 2 //Shows the four first channels. Press once for select. Press second time to Talk
            Button 1: Select Ch 3/Talk Ch 3    Button 3: Select Ch 4/Talk Ch 4
            Button 2: Select Ch 1/Talk Ch 1    Button 4: Select Ch 2/Talk Ch 2
        Toggle 2 //Shows the four first channels
            Button 1: Select Ch 3        Button 3: Select Ch 4
            Button 2: Toggle C 1 and 2Button 4: Talk button
        Toggle 2inv //Show the first four channels
            Button 1: Select Ch 3        Button 3: Select Ch 4
            Button 2: Talk button        Button 4: Toggle Ch 1 and 2

*...continues*

## The Setup Menu Tree:        ...continued

Device Options...continued

Flip: //Select to flip parts of or all of the display items upside down.

Default: Off

Range:

Both //Flip Menu and Main screen

Menu // Flip only the menu (This one)

Main // Flip only the main screen

Off //   Do not flip anything

Enc  <:   //Select the function of the left encoder scrolling

Default: Main Volume

Range:

- //Encoder scrolling has no funtion

Side Tone //Encoder scrolling adjusts Side Tone volume

Program Volume //Encoder scrolling adjusts Program volume

Main Volume //Encoder scrolling adjusts Main volume

Enc  >:   //Select the function of the right encoder scrolling

Default: Main Volume

Range:

- //Encoder scrolling has no funtion

Side Tone //Encoder scrolling adjusts Side Tone volume

Program Volume //Encoder scrolling adjusts Program volume

Main Volume //Encoder scrolling adjusts Main volume

Batt Low //Enable or disable 'Battery Low' warning - Warning will display and alert will sound for 1 sec.

The interval between warnings will decrease as power is getting lower.

Default: ON

Range: ON - Off

Bad Signal: //Set at what signal quality signal warning should alert.

Default: Off

Range: 5 (Some Missing Signal) - 1 (Very Bad Signal), Off

LED bright: //Set the brightness of the four indicator LEDs

Default: 4

Range: Max, 6 - 1, Off

Scr Saver: //Set the amount of time before the display turns off after last activity.

Default: 10 min

Range: 2 hrs, 1hr, 30 min, 10 min, 1 min, 30 sec, 10 sec and Always On

Info             //Shows information about the beltpack

--

02-E1-36-EE-60//Units mac address

SN: 778//Units serial number

Wireless 4a45

Submenu: Firmware

Wireless 4a45 //Firmware version

Dec 7 2016 //Date of firmware build

11:34:57 //Time of firmware build

Reset All Settings //Resets all IP, Audio, User and Channel settings.

Pairings are not affected. Configuration file is not changed.

## 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 beltpack 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 beltpack is not connected to another antenna.
  Switch of other antennas that it has been paired to.

**My beltpack looses contact to the antenna when either the antenna or the beltpacks 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 least1 meter (3 feet) apart.

## Specifications

**Physical:**
**Dimensions:**      145mm x85mm x30mm
**Weight:**          400g
**Connectors:**      1x Neutrik XLR 4 pin, 1x miniUSB
**Mounting:**        Beltclip
**Power:**           1800mAh Lithium-Ion rechargeable battery.

**Connector Pin assignments:**

**HEADSET**

Pin 1: MIC Ground
Pin 2: MIC Signal
Pin 3: Speaker  -
Pin 4: Speaker +

*...continues*

## Specifications      ...continued

**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

**General Audio Specifications:**
Measurements made with MCX(D), BPX wired beltpack and WBPX wireless beltpack via WAA antenna
Output headset, volume 0 dB
Values are RMS 22Hz - 22kHz unweighted
Digital audio format: Linear 16 bit 16/32 kHz sample rate (Standard/Enhanced audio)
Wireless link: DECT with G722 wideband Codec

| Input | Headset mic | Panel mic | Line |
|---|---|---|---|
| Connector | XLR4M pin 1-2 | XLR 3F | XLR 3F |
| Type | unbalanced | balanced | balanced |
| Electret mic bias / Phantom power | 0/ +2,5 | 0/+10V | |
| Gain | +30 - +70dB | +24 - +64dB | -9 - +31dB |
| | | | |
| Limit-level AGC | -12dBFS = +2dBu | | |
| Gate Threshold | Off, -45dB - -20dB 5dB steps | | |
| Sidetone level | Mute, -24dB - 0dB 3dB steps | | |
| | | | |
| **All wired units** | | | |
| Noise | -70 - -55dBu | -75 - -55dBu | -75 - -55dBu |
| Latency mic-network - headphone | 12 msec | 12 msec | 12 msec |
| | | | |
| **Wireless beltpack** | | | |
| Noise | -63 - -52dBu | | |
| Latency mic-network - headphone | 26 msec | | |
| | | | |
| Frequency response standard | 240 - 7000 Hz | 200 - 7000 Hz | 140 - 7000 Hz |
| Frequency response enhanced | 240 - 14000 Hz | 200 - 14000 Hz | 140 - 14000 Hz |
| Enhanced only on wired units channels | | | |

| Output | Headset | Internal speaker | Line |
|---|---|---|---|
| | All units | MCD/WP | MCD/WP |
| Connector | XLR4M pin 3-4 | | XLR 3M |
| Nominal level | 0 dBu | | 0 dBu |
| Max output | +20 dBu | >2W | +12 dBu |
| Load | 32 - 600 Ohm | >8 Ohm | o/p imp 240 Ohm |