WiZo-Link Programming Guide

Centurion Systems (Pty) Ltd www.centsys.com
http://www.centsys.co.za/category/wizo-link

1. LED description

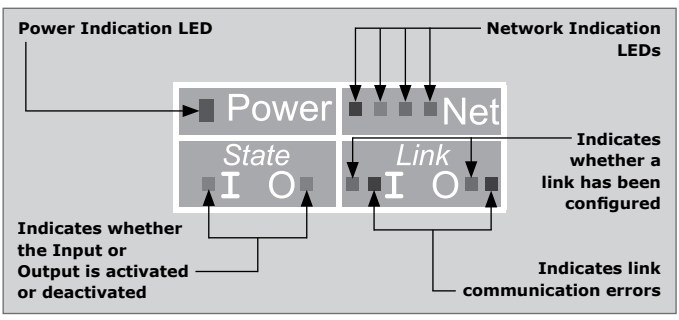


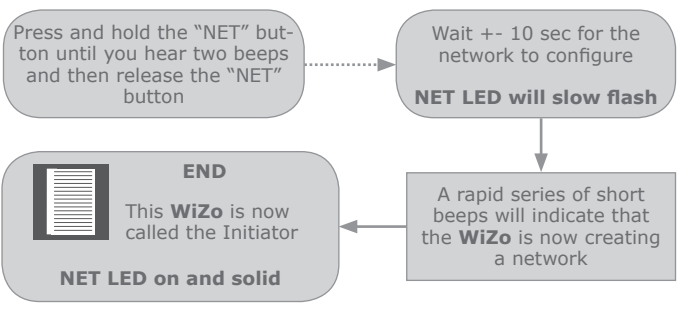
FIGURE 1

LED	LED State	Description
NET LEDs	Off	Network is not configured
	Red	No signal
	Orange	Low signal
	1x Green LED	Good signal
	2x Green LEDs	Good signal with mesh network link redundancy
STATE; INPUT	Off	Input is deactivated (high or floating)
	Solid On	Input is activated (connected to GND)
STATE; OUTPUT	Off	Output is deactivated
	Solid On	Output is activated
LINK; INPUT (Green)	Off	No Outputs are linked to this Input
	Solid On	Input is currently linked to at least one Output
	While in input learning mode; Fast Flash	Input to be linked
LINK; INPUT (Red)	Red	Communication with at least one Output linked to Input has failed
LINK; OUTPUT (Green)	Off	No Inputs are linked to this Output
	Solid On	At least one Input is linked to this Output
	While in Input Learning Mode; Slow Flash	Output not currently linked to Input
	While in Input Learning Mode; Fast Flash	Output already linked to Input
LINK; OUTPUT (Red)	Red	Communication with at least one Input linked to Output has failed

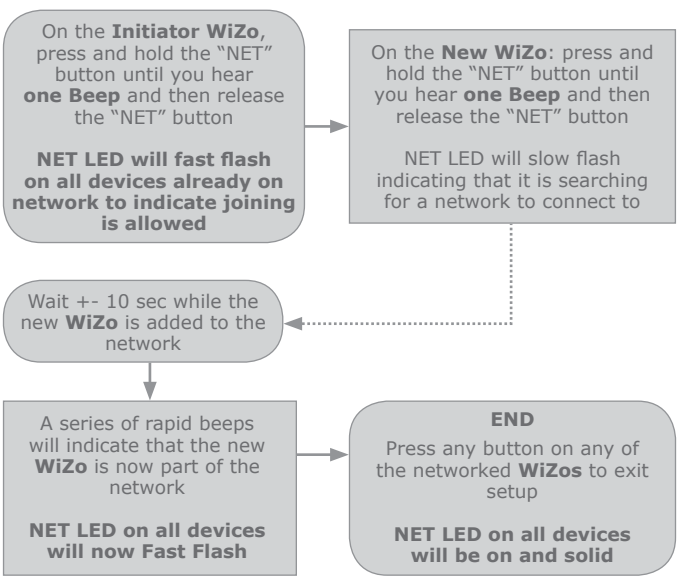
TABLE 1

2. Programming

2.1. Create a new network



2.2. Adding a new WiZo on the network



Any **WiZo** that is a part of the network can be used as the Initiator, and can be used to add new **WiZo** devices.

Repeat the above to add more **WiZos** to the network.

2.3. Programming a WiZo Input to trigger another WiZo Output

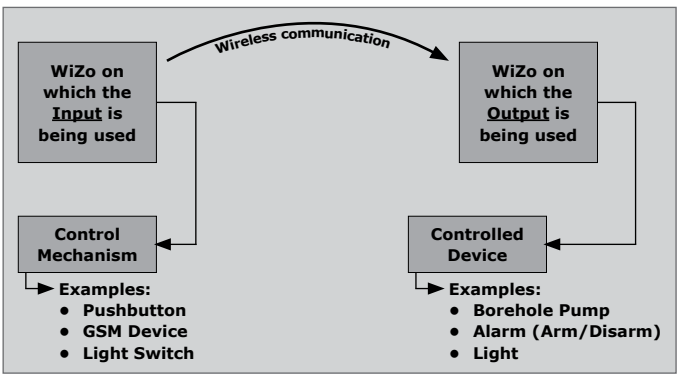


FIGURE 2. INPUT DEVICE AND OUTPUT DEVICE

On the **WiZo** on which the **Input** is being used (Refer to Figure 2), press and hold the **IO Button** until **one Beep** is heard, then release the button

On the **WiZo** on which the **Output** is being used (Refer to Figure 2), press and hold the **IO Button** until **one Beep** is heard, then release the button

END

A series of beeps will confirm that the IOs have been successfully configured

The relationships between Inputs and Outputs linking can be 1 to 1, 1 to Many, Many to 1 and Many to Many (refer to full installation manual).

Repeat the above process (Section 2.3) to delete an established link.

2.4. Configure Output to be latched

Press and hold the IO button on the **Output device** until **two Beeps** are heard

END

A series of beeps will indicate that the Output mode has been changed from normal to latch mode or vice versa

3. How to default the unit

- Make sure that the unit has been powered down
- Press and hold the NET and IO buttons while powering up (the power LED will be ON and the Net, Link Input and Output LEDs will start flashing):
  - Slow beeping will indicate default in progress;
  - Fast beeping after the slow beeping will indicate defaulting is complete and the user can now release both buttons;
- The unit is now defaulted, and should be restarted by removing and reapplying power

4. Technical Specifications

Technical Data	
Supply Voltage	12V - 24V DC
Average Current Consumption	30mA
Peak Current Consumption	50mA
Relay Rating	2A
Operating Temperature Range	-15°C - 50°C
Maximum number of WiZo-Links in a network	50
Number of Outputs to which a single Input can Link	10
Number of Inputs that can be linked to a single Output	10
Weight	65g
Dimensions	78mm W x 58mm D x 31mm H

TABLE 2