



## Slim Audio Interface 4-Wire Quick Start Guide

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# Slim Audio Interface 4-Wire

## Quick Start Guide

The Green-GO Slim Audio Interface 4-Wire can act as a general purpose line in/out device for purposes such as program audio and announcements or as a complete user-based engine with 32 channels and program audio.

### Features

- Option to switch between Line In/Out mode and User mode
- 1x etherCON RJ45 port
- 1x 3-pin XLR Line In port
- 1x 3-pin XLR Line Out port
- Powered by PoE (802.3af-2003 standard)

## Setup menu navigation

Pressing the two buttons on the left-hand side of the screen simultaneously will open the setup menu of the Green-GO Slim Audio 4-Wire Interface. Once in the menu, the button on the top left will act as the selection and confirmation button. The button on the bottom left will take you one step back out of the currently selected option or menu. Using the two buttons on the right-hand side, you can scroll through the menu. Having selected an editable parameter, these buttons will let you either raise or lower the parameter's value.

## Setup menu overview

The setup menu offers a range of different settings to modify your device. The menu sections and their supplementary options are described in detail below. Selecting the Line In/Out mode or User mode will reveal different options in the Setup menu. These menu items are explained in the subsequent two segments.

## Line In/Out mode settings

### Modifying the Line In audio settings

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#### Line In

- Group** → Select the group assigned to the Line Input.  
(Program/All/Stage/Sound/Light/Video/etc.)
- AutoGain** → Set the dynamic amplification to avoid distortion.  
Available settings are Slow/Med/Fast/Off.  
If AutoGain is turned off the Max Gain becomes gain.
- MaxGain** → Set the maximum gain of the input signal - range is from -12 to 28 dB.
- Threshold** → Set the threshold level required for the input signal to be transmitted –  
editable range is from -45 to -20dB or turned Off.
- Hold** → Fast/Med/Long/XLong
- Bandwidth** → Set up the used bandwidth for this input
  - Normal** → 7kHz bandwidth is used for this input
  - Enhanced** → 14kHz bandwidth is used for this input
- In** → Line In / 125 Hz to 4 kHz

## Modifying the Line Out audio settings

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### Line Out

- Group** → Select the group assigned to the Line Output.  
(All/Stage/Sound/Light/Video/etc.)
- Output** → Set the output level of the Line Output.  
Available range is MUTE, -42 to 6 dB.
- LoopBack** → Set the level of the LoopBack from 0 to -39 dB or turn it off.

## User mode settings

### Assigning groups and users to channels

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#### Channels

- 1-32** → Select one of the 32 available channel to assign a user or group to.
  - ID** → ID of the user or group assigned to the channel
    - Group** → Assign a group to the channel
    - User** → Assign a user to the channel
    - None** → Remove assigned group/user from the channel
  - Set Label** → Set a different label for the channel
    - Group** → Select a group label
    - User** → Select a user label
    - Clear** → Clear the label set
  - Volume** → Set the volume for this channel. The range of the volume can be altered between 12dB and -36dB. To mute the program audio, scroll past -36dB and the MUTE value will show up.
  - High Priority / Normal Priority / Low Priority** → Set the priority level of the channel - see also **Priority dim** in the Options menu
- An** → Assign group to be handled as Announce Channel
- Em** → Assign group to be handled as Emergency Channel

## Enabling AutoTalk

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### AutoTalk

- Ch1-32 / Off →** Enable AutoTalk on channel 1 through 32 or turn it off. When AutoTalk is activated, available audio will be sent to the selected channel if no other sends are active.

## Modifying the program audio parameters

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### Program Audio

- Mode →** Normal / Local IFB
- Src →** Select the program audio source. This will open up a list of sources that can be selected as the program audio source (Program, Stage, Sound, Light, Video, etc.).
- Vol →** Set the volume of the program audio. The range of the volume can be altered between 12dB and -36dB. To mute the program audio, scroll past -36dB and the MUTE value will show up.
- Dim →** Dim the program audio during communication. Dimming range is from 0dB to -12dB to -24dB and MUTE option.

## Modifying the Audio In/Out settings

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### Audio In/Out

- Output →** Set the output level of the Audio Output. Available range is MUTE, -42 to 6 dB.
- LoopBack →** Set the level of the LoopBack from 0 to -39 dB or turn it off.
- AutoGain →** Set the dynamic amplification to avoid distortion. Available settings are Slow/Med/Fast/Off. If AutoGain is turned off the Max Gain option is disabled.
- MaxGain →** Set the maximum gain of the input signal - range is from -12 to 28 dB.
- Threshold →** Set the threshold level required for the input signal to be transmitted – editable range is from -45 to -20dB or turned Off.
- Hold →** Fast/Med/Long/XLong
- In →** Line In / 125 Hz to 4 kHz

## General options

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### Options

- Active Time →** Set the time for a channel to be active after the last audio activity. Range is from 0.5 to 45.0 seconds.
- Isolate On/Off →** Determines whether or not all other channels will be muted when you enable Talk on a channel
- Buzzer On/Off →** Enable/disable the buzzer that will sound when an alert is received
- Tone →** Set the level of the audio signal used for Alert, Cue, Connection Status and Battery status. Range is MAX, -1dB to -48dB, MUTE.
- No Listen on Talk / Listen on Talk →** Determines whether or not a muted channel is allowed to be temporarily unmuted when enabling Talk on the channel
- Answer Enabled / No Answer →** Enable or disable the option of answering a call
- Popup →** Select the 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** → No popups
- Priority Dim →** Set dimming level of a lower priority channel if a higher priority channel becomes active. Range is 0dB to -24db, MUTE.
- Direct Priority →** Set priority for direct channels; Low / Normal / High
- Direct Volume →** Set volume for direct channels. Range is 12db to -36dB, MUTE.
- Cue Mode →** Set the cue mode; Normal / Auto / Ignore
- Output Cue Time →** Set the output cue time. Range is 0.5 to 60 seconds or Off.

## Setup menu - continued

The following menu items are available in both Line In/Out mode and User mode.

### User selection

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**Set User/Mode** → Selection of the designated user of the Slim Audio 4-Wire Interface

**Line In/Out Mode** → Set the Slim Audio 4-Wire Interface to Line In/Out Mode  
**StageManager**  
**FOH**  
**Monitor**  
**Director**  
etc.

### Connection configuration

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**Connection** → Set the type of connection to be used

**Local Connection** → Use local connection

**Remote Connection** → Use remote connection

**Password** → Set the password

**Generate password** → Generate a new password

**Remote Port** → Fill out the same port the remote device will be using

**Remote IP** → Fill out the IP address of the remote location

**Backup**

OFF / 0.0.0.1

**SndBuf**

Default / Small / Normal / Large

**RecvBuf**

Auto / Small / Normal / Large

**Save** → Save the current Remote Connection setup

**Latency Connection** → Use latency connection

**Audio**

Normal / Compressed

**FEC** → Set the Forward Error Correction type used

--- / On / Compressed

**Latency**

**Save** → Save the current Latency Connection setup



## Configuration cloning

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**Clone Config** → Clone a configuration file from the network

**Configuration File A** → Load configuration file A

**Configuration File B** → Load configuration file B

**Factory Default** → Load the factory default configuration file

## Network settings

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### Dynamic

**ON** → Use a dynamic IP

**OFF** → Use a static IP

**IP address** → Set the IP address to be used

**Netmask** → Set the netmask to be used

**Gateway** → Set the gateway to be used

**Save** → Save the current network setup

## Device options

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### Device Options

**Flip** → Selects parts of the display or the entire display to be turned upside down

**Both** → Flip menu and main screen

**Menu** → Flip only the setup menu

**Main** → Flip only the main screen

**Off** → Do not flip anything

**Scr Saver** → Set the amount of time since the last activity before the display turns off

Range: Always On – 10 sec – 30 sec – 1 min – 10 min – 30 min – 1 hour – 2 hours

**Scr bright** → Set the brightness of the screen / Range: 0 – 15

**LED bright** → Set the brightness of the LEDs / Range: Off – 1 – 2 – 3 – 4 – 5 - 6 – Max

## Device information

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**Info** → Shows general information about the Slim Audio 4-Wire Interface

**SN: xxx** → Serial number of the Slim Audio 4-Wire Interface

**SI 4wire 4a55** → Firmware information

**SI 4wire 4a55** → Firmware version

**Jul 2 2018** → Date of firmware build

**09:32:09** → Time of firmware build

**IP: xxx.xxx.xxx.xx** → IP address of the Slim Audio 4-Wire Interface

**Mac: xx:xx:xx:xx:xx:xx** → MAC address of the Slim Audio 4-Wire Interface

**Reset All Settings** → Resets all IP, Audio, User and Channel settings  
(configuration file is not changed)

## 4-Wire connection setup

There are 2 operational modes for a Slim Audio 4-Wire Interface; the general purpose Line In/Out mode and the User mode. To select either of these modes go to the Setup menu, select Set User/Mode and then choose either Line In/Out or a user from the list.

### Line In/Out mode

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In Line In/Out mode, one group is assigned to the Line Input and one group is assigned to the Line Output. Audio received on the Line In XLR connection will be sent onto the network in the assigned group and is available to all other devices, for example as a program audio source. All audio on the group assigned to the Line Out on the network will be mixed and outputted on the Line Out XLR connection.

### User mode

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In User mode, a user is assigned to the units and the device will function like a complete user with 32 channels and program audio. With the 32 channels, the output will be a mix of all channels and program audio making it possible to mix multiple groups and work with priorities. To send audio onto the network, enable Auto Talk on one of the 32 channels (normally this would be channel 1).

## Technical specifications

Power:	Power over Ethernet (IEEE 802.3af)
Dimensions:	120 x 95 x 40 mm
Weight:	238 gr

## General safety instructions

Read all instructions - especially the safety requirements - in the user manual before use. Save these instructions - the safety and operating instructions should be retained for future reference. Carefully follow all instructions.

### Cleaning

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Disconnect all connected supply and signal cables before cleaning the unit. Clean with a dry cloth. Do not use any liquids or aerosols on the unit.

### Usage

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Do not use the unit near water or moisture. - Do not block any ventilation openings, they are necessary for the essential airflow within the unit and protect it against overheating. - Install in accordance with the manufacturer's instructions. - Do not insert any objects through the ventilation slots of the unit, as these could come in contact with live parts or could cause short circuits. This could cause electric shock and/or fire. - Do not install near any heat sources such as radiators, stoves or other apparatus (including amplifiers) that produce heat. - Unplug this apparatus during lightning storms or when unused for long periods of time. Do not place the unit on unstable surfaces.

### Servicing

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Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as; damage to the power supply cord or plug, spillage of liquids, objects falling into the apparatus, exposure to rain or moisture, abnormal operation or falling damage. In all of the previous conditions, disconnect the main plug immediately and call your distributor or technical support!

## WARNING

**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,  
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE**

## Declaration of Conformity

We,

**Manufacturers name:** ELC lighting b.v.

**Manufacturers address:** Weerij 8  
5422 WV Gemert  
the Netherlands

Herewith take the full responsibility to confirm that the product

**Product Category:** Communication equipment

**Name of product:** GGO-SI4WR

Which refer to this declaration are manufactured in the Netherlands and complies with the following product specifications and harmonized standards:

**Safety:** LVD (Low Voltage Directive) 2014/35/EU, EN62368-1

**EMC:** 2014/30/EG, EN55032

**ROHS (II):** 2011/65/EU

With the presumption that the equipment is used and connected according to the manual, supplied with the equipment. All signal input- and output connections must be shielded and the shielding must be connected to the ground of the corresponding plug.

Gemert, February 16, 2018

ing. Joost van Eenbergen

