Slim Audio Interface 2-Wire
Quick Start Guide

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The Green-GO Slim Audio 2-Wire Interface enables you to integrate the basic analog party-line systems into the GreenGO network, complete with announcements and program audio.

Features

- Assign users or groups to up to 32 available channels
- Audio Line setup with Auto Null, call option, dynamics etc.
- 1x etherCON RJ45 port
- 1x 3-pin XLR port for 2-wire connection
- 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 2-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.

Modifying the program audio parameters

Program Audio

> **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 can be altered from 0dB to -12dB to -24dB, and a mute option when you scroll past -24dB.

Assigning groups and users to channels

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
>
> **Talk →** Set the way the Talk button acts when pressed
>
> > **Latch / Momentary →** Short press: Latch / Long press: Momentary
> > **Latch →** Pressing the Talk button enables talking, pressing again disables talking
> > **Momentary →** Talk button must be kept pressed to enable talking
> > **Disabled →** Disable talking for this channel
>
> **Listen On / Listen Off**
>
> > **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. 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
>
> **Call Send Enabled / Disabled →** Enables or disables the ability to send calls from the channel
>
> **Call Receive Enabled / Disabled →** Enables or disables the ability to receive calls on the channel

An → Assign group to be handled as Announce Channel

Em → Assign group to be handled as Emergency Channel

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Enabling AutoTalk

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 audio line settings

Audio Line Setup

    Mode →   -6 dB / -9 dB / -12 dB / -15 dB / -18 dB /
RTS (-5 dB) / Clear-Com (-13 dB)

Run Auto Null →   Set send/receive levels and cancel own signal from the
2-Wire intercom line.

    Call Signal →   AC/DC / AC / DC / disabled

    Threshold →   Set the threshold level required for the input signal to be
transmitted. Available range is -45 to -20dB.

    Hold →   Fast / Med / Long / XLong

    To 2-wire →   Selectable range is -40 to 0 dB

    From 2-wire →   Selectable range is 0 to 40 dB

    Null on Boot →   enabled / disabled

    DSP Active →   indication that DSP is working

General options

Options

    Active Time →   Set time for a channel to be active after the last audio activity.
Editable range is 0.5 – 45.0 seconds.

    Priority Dim →   Set dimming level of a lower priority channel if a higher priority
channel becomes active / Range: 0dB to -24db, MUTE

    Direct Volume →   Set volume for direct channels / Range: 12db to -36dB, MUTE

    Direct Priority →   Set priority for direct channels: Low / Normal / High

User selection

Set User/Mode → Selection of the designated user of the Slim Audio 2-Wire Interface

> **StageManager**
> **FOH**
> **Monitor**
> **Director**
> etc.

Connection configuration

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** → Set the remote port to be used
> > **Remote IP** → Set the remote IP to be used
> > **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

Clone Config → Clone a configuration file from the network

    Configuration File A → Load configuration file A
    Configuration File B → Load configuration file B
    etc.
    Factory Default → Load the factory default configuration file

Network settings

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

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

Info → Shows general information about the Slim Audio 2-Wire Interface

        SN: xxx → Serial number of the Slim Audio 2-Wire Interface

        SI 2wire 4a55 → Firmware information

SI 2wire 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 2-Wire Interface

        Mac: xx:xx:xx:xx:xx:xx → Mac address of the Slim Audio 2-Wire Interface

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

Setting up a 2-Wire connection

Take the following steps to set up a 2-wire/party line connection;

- Connect the complete party line.
  Changing anything to the party line setup afterwards might require you to go through the setup steps once again.
- **Switch off all mics on the party line**
- Go to the setup menu and select Audio Line Setup
- Select the Mode for the party line type or line level
- Select Run Auto Null
- Select the Call mode as DC or AC or off
- Adjust the threshold in such a way that the Slim Audio Interface will not activate when no one is talking on the party line
- Adjust the To 2-wire and From 2-wire levels for final finetuning
- Select the desired user from the User Line
- Make sure that Auto Talk is enabled on the channel to send received audio (normally channel 1)

NOTE: If you are experiencing an echo on the Green-GO system, it might be due to the Slim Audio Interface 2-Wire unit not correctly canceling out the audio sent onto the 2-Wire/party line and unintentionally sending it back into the system.

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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

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

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

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: Weerijs 8
5422 WV Gemert
the Netherlands

Herewith take the full responsibility to confirm that the product

Product Category: Communication equipment

Name of product: GGO-SI2WR

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