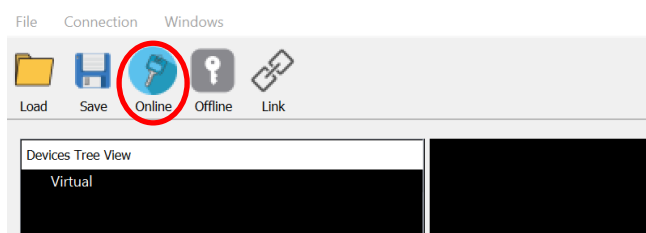


## USB setup instructions:

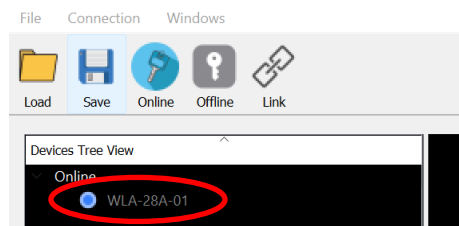
By default all devices will have Device ID = 1

You must first connect individually to each loudspeaker via USB and assign a unique device ID to each unit.

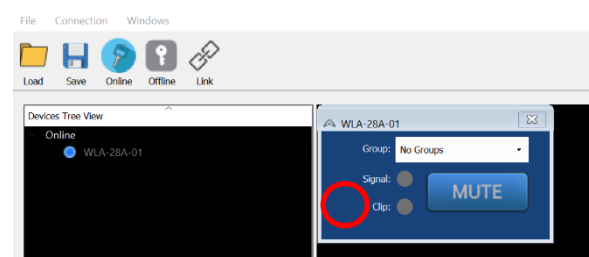
1. Connect via USB to first loudspeaker;
2. Open software and click "online"



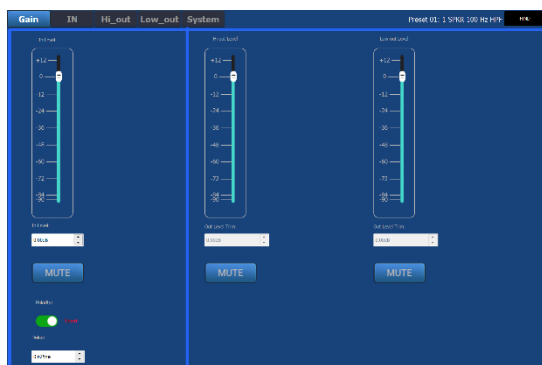
3. You will now see the loudspeaker listed in the Devices Tree View,



4. Double click this to open the loudspeaker menu in the right-hand side workspace.

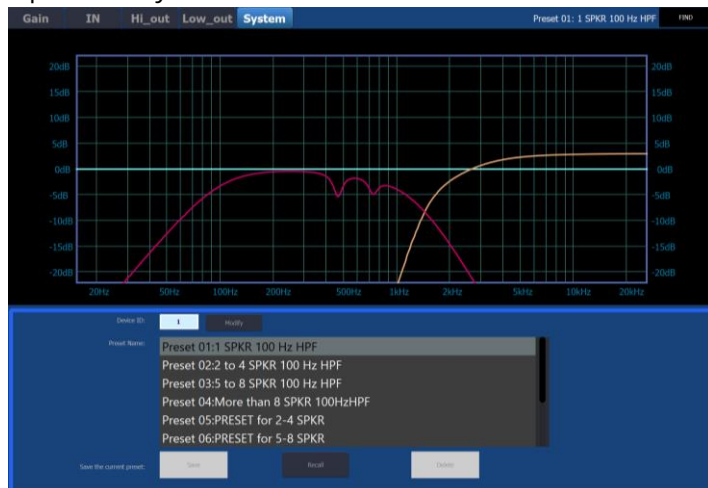


5. Double click in the blue space on the loudspeaker menu to open the full configuration options

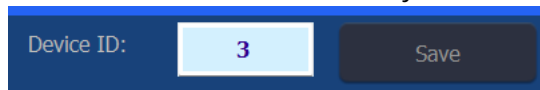


## USB setup instructions:

- Open the "System" tab



- Next to "Device ID:", click "Modify", then assign a unique device ID to the loudspeaker and click "Save".



The screenshot shows the 'Device ID' input field with the value '3' and a 'Save' button.

- Repeat these steps for **ALL** loudspeakers in the network, assigning a unique ID to each one. Example system below:

LEFT SIDE	DEVICE ID		RIGHT SIDE	DEVICE ID
WLA-28A	1		WLA-28A	2
WLA-28A	3		WLA-28A	4
WLA-28A	5		WLA-28A	6
WLA-28A	7		WLA-28A	8
WLA-28A	9		WLA-28A	10
WLA-28A	11		WLA-28A	12
WLA-28SUBA	21		WLA-28SUBA	22
WLA-28SUBA	23		WLA-28SUBA	24

Using ODD numbers for the LEFT SIDE

Using EVEN numbers for the RIGHT SIDE

**Using USB connection, you may change loudspeaker settings only on an individual PC to loudspeaker basis. This can be useful for assigning device ID's and settings before hanging arrays. However, if you wish to view and control the entire system as one and create groups, you must connect using the RS485 network as detailed in the next section.**

## RS485 setup instructions:

The WLA-A system employs an RS485 serial network over RJ45 connectors, this is **NOT** an Ethernet network and requires a USB to RS485 adaptor for a PC to communicate with the loudspeakers.

**THE NETWORK WILL NOT WORK USING AN ETHERNET CONNECTION FROM THE PC**

The Adaptor can be ordered directly from Wharfedale Pro Distributors,  
Product code: USB-RS485-RJ45

<https://www.wharfedalepro.com/usb-rs485-rj45/>

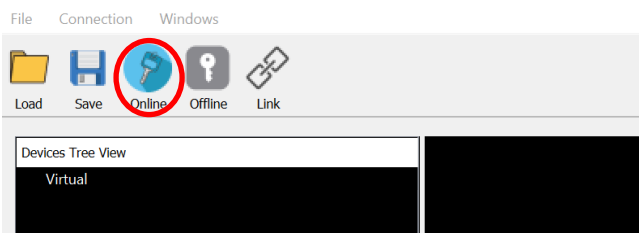
First, you must build your network and assign a unique device ID to each loudspeaker. It is suggested to create a separate network for each "side" of your array system. I.e. one network for the left side and a separate network for the right.

However, it is possible to connect the entire system as one network. But for this example we will primarily focus on the "left side" of a full system.

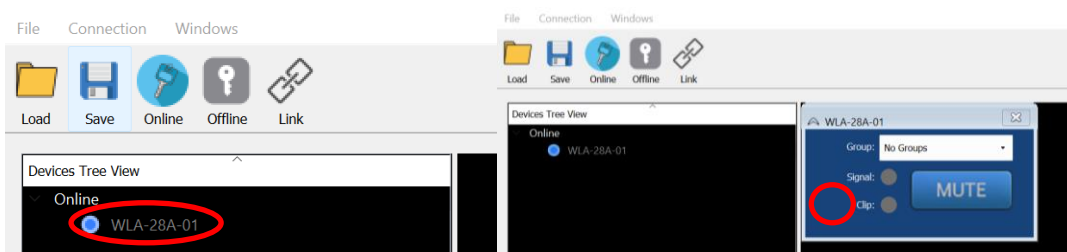
By default all devices will have Device ID = 1

You must first connect **individually** to each loudspeaker via RS485 and assign a unique device ID to each loudspeaker.

1. Connect via RS485 to first loudspeaker;
2. Open PRO=LINK software and click "online"

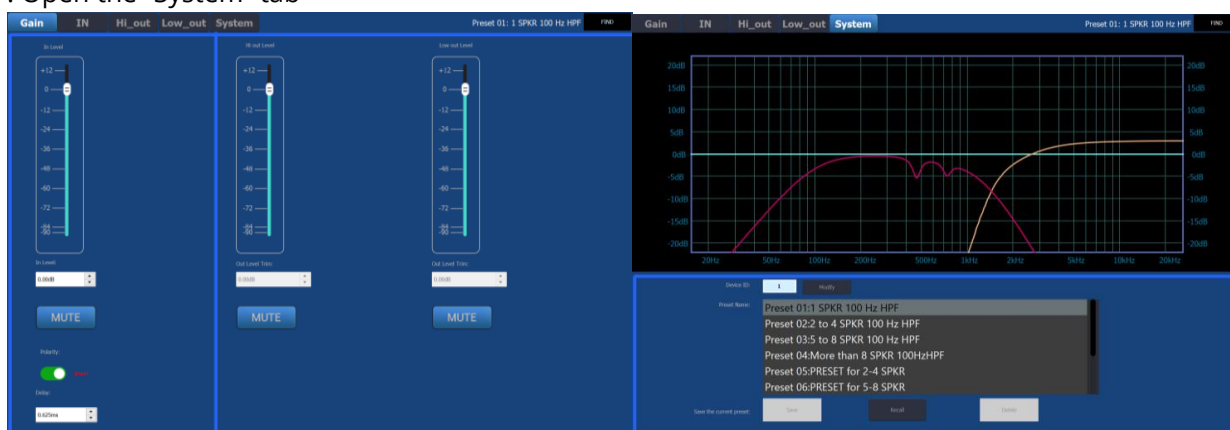


3. You will now see the loudspeaker listed in the Devices Tree View,
4. Double click this to open the loudspeaker menu in the right-hand side workspace.



## RS485 setup instructions:

- Double click in the blue space (as shown in the above image) on the loudspeaker menu to open the full configuration options
- Open the "System" tab



- Next to "Device ID:", click "Modify", then assign a unique device ID to the loudspeaker and click "Save".

Device ID:

- Repeat these steps for **ALL** loudspeakers in the network, assigning a unique ID to each one. Example system below:

LEFT SIDE	DEVICE ID		RIGHT SIDE	DEVICE ID
WLA-28A	1		WLA-28A	2
WLA-28A	3		WLA-28A	4
WLA-28A	5		WLA-28A	6
WLA-28A	7		WLA-28A	8
WLA-28A	9		WLA-28A	10
WLA-28A	11		WLA-28A	12
WLA-28SUBA	21		WLA-28SUBA	22
WLA-28SUBA	23		WLA-28SUBA	24

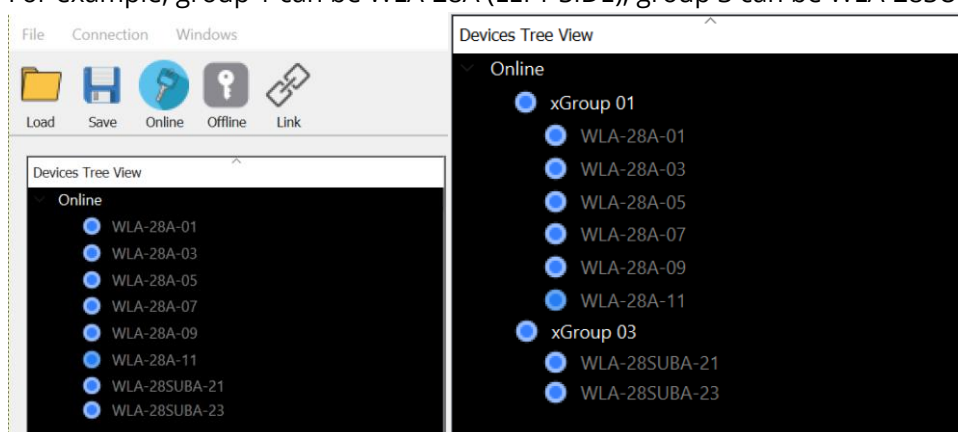
Using ODD numbers for the LEFT SIDE

Using EVEN numbers for the RIGHT SIDE

## RS485 setup instructions:

Now, you may connect the full RS485 network:

1. Daisy chain devices using the two RJ45 network ports on the rear of each loudspeaker, with a USB to RS485 adaptor connected to one end of the network and to the PC.
2. Open PRO=LINK software and click "Online", you should now see all devices with unique device ID's in the Devices Tree Window:
3. You can now assign groups, these may only be assigned to loudspeakers of the same model. For example, group 1 can be WLA-28A (LEFT SIDE), group 3 can be WLA-28SUBA (LEFT SIDE)



4. Once assigned in groups, any changes made to one device will affect ALL others in that group. You can suspend group changes to make individual adjustments by using the "Link / Unlink" button. The finished system network will be as follows:

LEFT SIDE	DEVICE ID	GROUP		RIGHT SIDE	DEVICE ID	GROUP
WLA-28A	1	01		WLA-28A	2	02
WLA-28A	3	01		WLA-28A	4	02
WLA-28A	5	01		WLA-28A	6	02
WLA-28A	7	01		WLA-28A	8	02
WLA-28A	9	01		WLA-28A	10	02
WLA-28A	11	01		WLA-28A	12	02
WLA-28SUBA	21	03		WLA-28SUBA	22	04
WLA-28SUBA	23	03		WLA-28SUBA	24	04

**Network Cable length maximum is up to 50 meters, please ensure no cross-patch cables are used. The network is serial based, so will not work through network switches or other IP based devices.**

## Finding a device:

You can locate which device you have opened by clicking the “find” button. This will flash a blue LED on the front of the unit

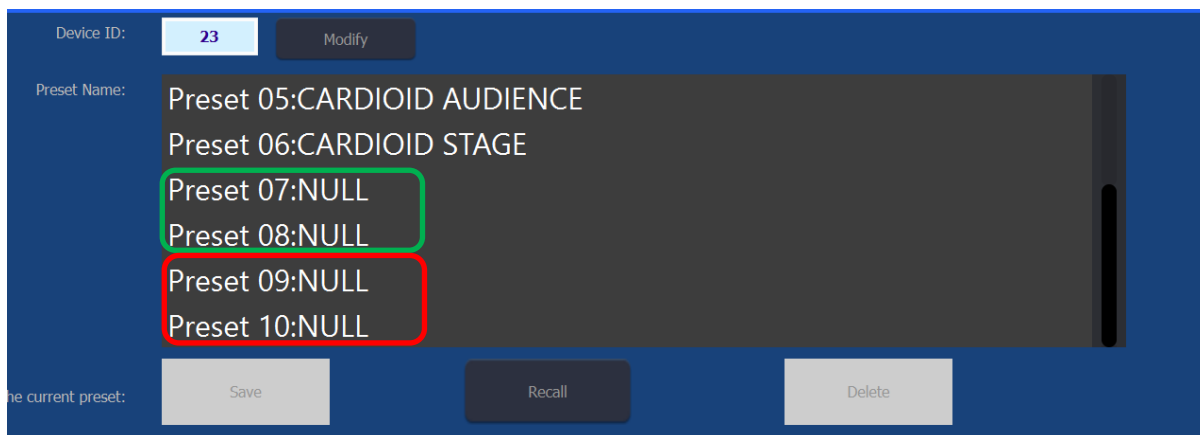
**FIND**

## Saving custom device preset:

A WLA-A device will have 8 on board presets, with one or two “Custom” options depending on the model. The custom preset slots can be used to store user data created with the software. On the system page of a device, you can save settings to these slots.

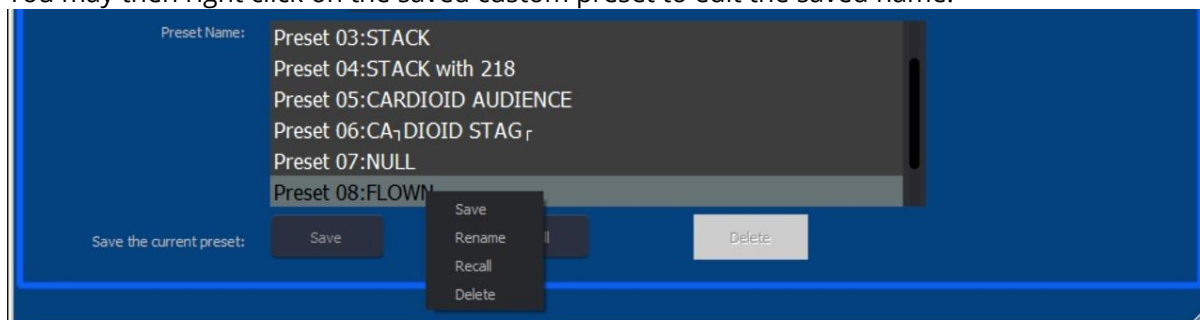
Preset slots up to and including number 8 are recallable from the rotary control on the rear of the device. (Green Box)

Preset slots above number 8 are recallable from the software only. (Red Box)



Simply select one of these preset slots and click save to embed the current software data setting into the hardware memory of the device.

You may then right click on the saved custom preset to edit the saved name.



It is useful to first recall the default preset that best suits your system, then save this onto the custom slot. Changes made to EQ and delay etc. can then be made and saved onto the custom slot. Once a preset is saved to a custom slot, the unit will recall these settings when the preset is chosen regardless of whether the software and network are connected or not.

**You must save the settings to the preset slot after every change you want to store to memory.**

**A user cannot overwrite or edit the default manufacturer presets.**

**Its important to note that the software is designed as a “pre-show” system engineering tool, live EQ changes during a show are best handled by an external mixing console or DSP device.**