

NeuPanel-Mini Series Programmable Wall Control - Quick Start Guide

1. What's in the Box

- Black or White – **Mini K1**, **Mini K4**, **Mini S4K1**, **Mini S4**, or **Mini S8** wall control device
- This hard copy of the Mini Quick Start Guide
- Mounting screws (colour specific to accommodate wall control colour)
- External Power Supply

2. What you need to provide

- Mini Series wall controls are designed to remotely control our Uno and Neutrino Series processors. Those processors are configured using our NeuConsole software. The Mini Series wall controls are programmed to control the processors using a drag & drop configuration software from within the NeuConsole software (available at www.xilica.com).
- External power supply included but we recommend you power using a POE router or switch.
- Ethernet cable.

3. Getting Help

- The NeuConsole software includes a Help File.
That help file provides more detailed User Instructions (software and hardware) as well as this Quick Start Guide.
If you have questions beyond your understanding of this Quick Start Guide or the Help File instructions please contact,
- Technical Support at support@xilica.com Web Site: www.xilica.com
- North America: Contact Technical Support at 905-770-0055 ext 3 (9am-5pm EST).
- Europe: Contact Technical Support (Marco Koorstra) at +31 29940 1100.
- Asia: Contact Technical Support (Tim Cheung) at +86 13602279067.

Important Safety Information

1. READ THESE INSTRUCTIONS

All the safety and operating instructions should be read before the product is operated.

2. KEEP THESE INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED ALL WARNINGS

All warnings on the product and in the operating instructions should be adhered to.

4. FOLLOW ALL INSTRUCTIONS

All operating and use of instructions should be followed.

5. DO NOT USE THIS APPARATUS NEAR WATER

Do not use the product near water. For example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

6. CLEAN ONLY WITH DRY CLOTH

Unplug the unit from the wall outlet before cleaning

7. DO NOT BLOCK ANY VENTILATION OPENINGS

Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of the limit and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or similar surface. This product should never be placed near or over a radiator or heat source. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

8. DO NOT INSTALL NEAR ANY HEAT SOURCES

This Product should be situated away from heat sources such as radiators, stoves, or other products (including amplifiers) that produces heat.

9. DO NOT DEFEAT THE SAFETY PURPOSE OF THE POLARIZED OR GROUNDING-TYPE PLUG

A Polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. PROTECT THE POWER CORD FROM BEING WALKED ON OR PINCHED PARTICULARLY AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPARATUS.

11. ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURER.

12. USE ONLY WITH CART, STAND, TRIPOD, BRACKET, OR TABLE SPECIFIED BY THE MANUFACTURER, OR SOLD WITH THE APPARATUS. WHEN A CART IS USED, USE CAUTION WHEN MOVING THE CART/APPARATUS TO AVOID INJURY FROM TIP-OVER.

Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to someone, and serious damage to the appliance. A unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

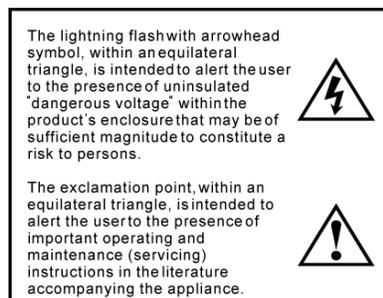
13. UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.

For added protection for this unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

14. REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL. SERVICING IS REQUIRED WHEN THE APPARATUS HAS BEEN DAMAGED IN ANYWAY, SUCH AS WHEN THE POWER SUPPLY CORD OR PLUG IS DAMAGED, LIQUID HAS BEEN SPILLED OR OBJECTS HAVE FALLEN INTO THE APPARATUS, THE APPARATUS HAS BEEN EXPOSED TO RAIN OR MOISTURE, DOES NOT OPERATE NORMALLY, OR HAS BEEN DROPPED.

15. WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

16. APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.



4. Introduction and Description:

- **Thank you**

Hello from everyone here at Xilica Audio Design and thank you for purchasing our **NeuPanel-Mini Series** programmable wall controls. If you have any suggestions for making this quick start guide better in any regard please bring it to my attention at barry@xilica.com and we will make those changes.

- **NeuPanel-Mini Series Programmable Wall Controls**

The NeuPanel-Mini Series programmable wall controls are designed to remotely control our Uno Series and Neutrino Series digital processors. Currently there are five Mini Series models. Program the Mini Series controls functionality using an easy to use drag & drop configuration from within the processors NeuConsole software (www.xilica.com). Connection to the processor is via Ethernet cable. Power Mini Series wall controls over their Ethernet cable using a POE - router, switch, or router/switch combo (recommended). An external power supply is also included with each Mini wall control.

All Mini Series wall control models have an aluminum front panel, are sized to mount into a N. American 2-gang size electrical back box, and are available in black (Blk) or white (Wht).

- **Mini Series Models**

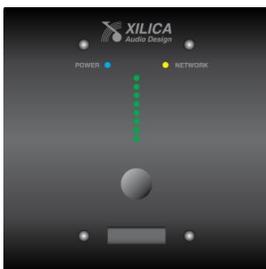
Mini K1 – A single, programmable Level control with power and network status LED's, volume level LED ladder, and a label slot with a plastic cover.

Mini K4 – Four programmable, selectable Level controls with power and network status LED's, and label slots with plastic covers.

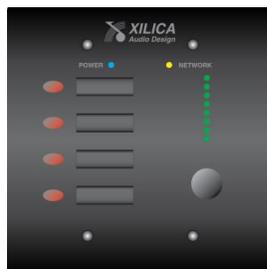
Mini S4K1 – Four programmable, selectable On/Off push buttons plus One independent, programmable Level control with power and network status LED's, and label slots with plastic covers

Mini S4 – Four programmable, selectable On/Off push buttons with power and network status LED's, and label slots with plastic covers.

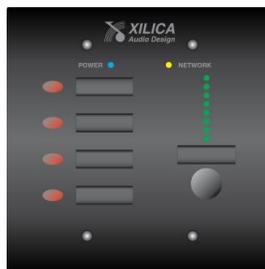
Mini S8 – Eight programmable, selectable On/Off push buttons with power and network status LED's, and label slots with plastic covers.



Mini K1-Blk



Mini K4-Blk



Mini S4K1-Blk

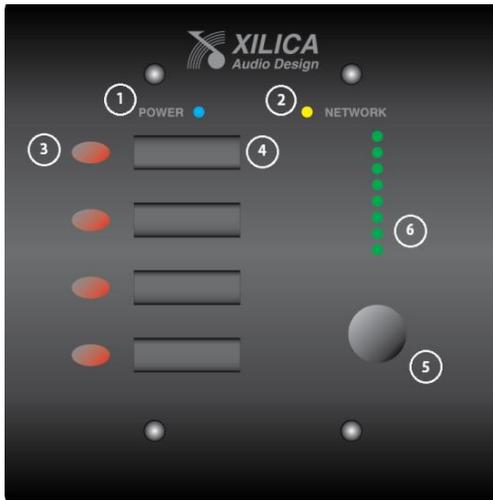


Mini S4-Blk



Mini S8-Blk

5. Hardware:



Front Panel

1. Power Status LED

A Power Status LED will light to notify you that the Mini device is connected to a power source.

2. Network Status LED

When the Mini device has an Ethernet cable / network cable connected the Network status LED on the front of the Mini device will light - once it initializes. If there is no Ethernet / network cable attached it remains off.

3. Programmable, Selectable On/Off Push Button

Program processor on/off control functions into any Mini devices programmable, selectable on/off push button using the easy to use drag & drop configuration form within the processors NeuConsole software.

4. Label Slot

Place supplied or unique label in label slot and cover with included protective plastic cover.

5. Programmable Level Control

Program a processor level control function into any Mini devices programmable level control using the easy to use drag & drop configuration from within the processors NeuConsole software.

6. Level Indicator LED's

Rear Panel

1. Ethernet Connector

Mini device Ethernet / network connection (and power if using POE power source).

2. Power Supply Connector

Only used if powering the Mini device with the included external power supply (recommend powering using a POE router, switch or router/switch combo).

3. IP Reset Button

Used to reset the Mini devices network settings as described later in this quick start guide.

4. USB Connector

Not used (Xilica use only).

6. Initial Device Connectivity:

The Mini Series wall controls connect and run on a network based infrastructure & are configured & controlled by a host computer via Ethernet using the NeuConsole software.

Single or multiple Mini Series wall controls can be connected to the processor as part of a Mini device/Processor device /Computer network via **(A)** A DHCP enabled Router, Server, or Router/Server/POE Switch combo network connection as shown below (recommended) and **(B)** A variety of non-DHCP enabled network connection methods via POE switches (no DHCP).

The primary difference between (A) & (B) is the automatic IP address assignment that DHCP provides in (A).



(A) DHCP Enabled Router, Server, or Router/Server/POE Switch Combo Network Connection

- The Mini Series wall control boots up with DHCP enabled by default so with a DHCP enabled router (server/router) and POE switch combo connection as shown above – the Mini control will automatically obtain an IP address upon connection and power up. This may take a minute or two as the Mini device searches for DHCP to obtain its IP address.
- **Available DHCP is the recommended connection method and - we recommend a low cost DHCP enabled router along with a POE switch.** This combo will provide DHCP as well as power to the Mini wall controls over their Ethernet cable/s by way of the switches POE feature (Power Over Ethernet).

***Linksys routers/NetGear switches have tested well for us** (D-Link routers have not).

(B) Non-DHCP Enabled Indirect Network Connection (POE Switches - No DHCP)

- When Mini Series wall controls are indirectly connected to the processor/PC network via a switch, DHCP is not available to assign IP addresses so the connection process is not automatic.

(1) A Single Mini Device in the Network Only (no DHCP available)

Once no DHCP is detected – a single Mini control will either try to connect using the IP address last assigned and stored in the device or attempt to revert to its default IP address of 169.254.64.64. Under some conditions the Mini device might refuse to relinquish its stored IP address or revert to its default IP address and thus refuse to connect. **To simplify and speed this non-DHCP enabled network connection of a single Mini we recommend that before you install and power up your device you should Reset the Mini device to its Default IP Address using the IP Reset Button on the back of the Mini Series wall control device.** Resetting the Mini control to its default IP address of **169.254.64.64** will have you connecting quickly and without problems with a single Mini device where no DHCP is available. Please see - **IP Reset Button / Reset Mini Control Network Settings** instructions on **Page 6**.

- Note: Your PC should be set to “Obtain IP Address Automatically” (normal default setting).
- **IP Reset Push Button / Reset Mini Control Network Setting (DHCP Not Available)**
Follow these instructions prior to powering up the Mini control and opening the NeuConsole software.
 - On the back of the Mini device you will see a round push button located between the Ethernet and USB connectors. This is the **IP Reset** button (see **Page 4 – Rear Panel - #3**).
 - Press the IP Reset push button and while holding it pushed in power up the Mini device.
 - **Wait 5 seconds after power up and then release the IP Reset push button.**
 - Wait for the device to power up completely (this will take a minute or so as it initializes and sets its default IP address).
 - Open the NeuConsole software and select “**Start Network View**” again. In **Network View** (once the Mini device and software communicate with each other) you should now see the Green network connection indicator to the left of the Mini device model indicating that all is now connected and operational (and you will notice the default IP address of 169.254.64.64 is shown for the Mini wall control).

(2) **Multiple Mini Control Devices Connected to the Network - No DHCP Available**

Where you will be utilizing multiple Mini control devices in your network and DHCP is not available the user will have to manually assign unique IP addresses to each Mini device. See - **Manual Assignment of IP Addresses on Page 8 & 9 – number 13 and 14.**

7. Mini Series Wall Control (and Processor) Devices Connected and Powered Up:

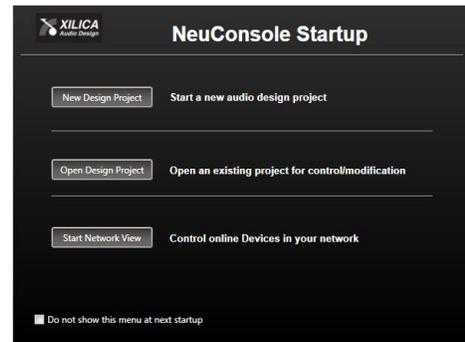
Before getting started - make sure that your NeuConsole Software and processor Firmware are compatible / up to date. See software “About” Menu for software version and Network View for processor firmware version vs web site version information at www.xilica.com.

Mini device **Firmware** must be compatible with the software and processor as well. “Network View and Connection” below on Page 7 - #11 will verify proper connection and where required, the Mini devices firmware can be upgraded using instructions on Page 10 - #15 once you reach that section of this Quick Start Guide.

- With your Mini and processor devices connected as a network, power on all devices.
- On power up the Mini devices Power Status LED will light.
- If the Mini device has an Ethernet cable / network cable connected the orange Network Status LED will light - once the device initializes. If there is no Ethernet / network cable attached it will remain off.
Note: This does not mean that the Mini device has established a Network Connection – only that an Ethernet or network cable is connected properly to the Mini device. Proper Network Connection and Operation is indicated/displayed only in the software’s **Network View** page – see **Network View & Connection** below.
- Upon being powered up the Mini device will search for a DHCP to obtain an IP address. If it locates DHCP it will connect quickly. If you are using a non-DHCP network connection you will have followed the instructions on Page 5 & 6 of this guide for single and multiple Mini devices in a non-DHCP network.
- When the Mini device and software are connected and commands are being sent to the device the orange Network status light will flash.

10. Launch the NeuConsole Software:

Upon opening the NeuConsole software you will be shown the “**NeuConsole StartUp**” window. It provides 3 possible selections – **New Design Project**, **Open Design Project**, and **Start “Network View”** (Network View will also be available to you as a separate button located at the top right of the Project View/Design Mode work area page).



11. Network View and Connection:

- Click **Start “Network View”** from the NeuConsole Start Up window as shown above.

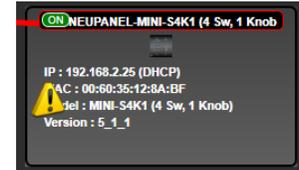
- In **Network View** as shown at the right, you should now see your Mini control device (and processor device) connected individually to the network router block and the **Network Connection Indicator** to the left of each device model should be **Green** (meaning it is connected and operational).



- **Network View** as shown above displays all devices connected to the network plus information such as the device model, a green, yellow or red network connection indicator, the IP address, and the devices firmware version.

- Note the **Firmware** version of the devices (as in Version 5_1_2 shown above). Any device firmware / software incompatibility will be indicated in **Network View** with a red or yellow warning symbol indicating firmware incompatibility – upgrade required or firmware not recommended. See Firmware Upgrade on Pg. 10 - #15.

- If your Mini device (and processor device) and the software have not connected properly you will see a Yellow or Red connection indicator to the left of the device model indicating a connection or operational problem.



- **Network Connection Indicators**

Green - Connected and operational.

Yellow - Connected/online but Not operational.

Red - The device is offline – not connected – no communication

between the NeuConsole software and the processor. Check cables and connections.

Note: This could be a temporary offline interruption if the device is busy performing a firmware upgrade, re-booting, or searching for DHCP & defaulting to its own IP address.



12. Connection Problems?

Yellow Network Connection Indicator

While in **Network View** if there is a Yellow network connection indicator next to the Mini device model the device is connected/online - **but Not Ready / Not Operational**.

- The three most common reasons for this Yellow connection indicator is the result of **(1)** A non-DHCP connection where multiple Mini control devices are in use and where each device needs a unique IP address manually assigned to it properly **(2)** Where a non-DHCP connected single Mini control device is not reverting to its default IP address and/or is holding onto its previous address and **(3)** Software/Firmware incompatibility.

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Solutions – **(1)** See instructions on **Page 8 & 9** below to Manually Assign IP Addresses to each of the multiple Mini devices **(2)** Reset the Mini control to its default IP address prior to powering up the Mini device as recommended and described on **Page 5 & 6** – “Non-DHCP Connection” and “IP Reset Button/Reset Mini Control Network Settings” **(3)** Perform a Mini device Firmware Update as described in **#15 on Page 10** and... **(4)** As recommended, use a DHCP enabled network connection for all devices using a router/POE switch combination whenever you can to eliminate connection issues.

- Those connection solutions resolve 99% of any Yellow indicator connection issues but to assist further if connection issues persist - when the indicator is Yellow you can hover your cursor over the device and there is a pop-up Tooltip message to tell you the kind of issues it has detected.

A few message and solution examples include,

Message: Device not ready.

Solution: Wait a minute or two till the device is ready and it should then connect and the indicator turn Green.

Solution: If the indicator remains Yellow, close the NeuConsole software and then re-open. Or Reset the processor.

Message: Device Schematic Not ready.

Solution: The processor has already been loaded with a DSP design. Give the connection process a minute to connect and if it does not connect close the NeuConsole software, open it again, select Start Network View and you should now see that the processor is connected and operational - as indicated by the Green network connection indicator to the left of the processor device model.

Message: DSP Processing Error.

Solution: This could be a bad DSP Design schematic. You may need to reload the DSP schematic and restart and/or restart device to reset its DSP chip.

Message: Error in Firmware Upgrade.

Solution: It will print out an error code when you hover your cursor over the device in Network View (Do Firmware Upgrade again).

13. Manual Assignment of Static IP Addresses to Multiple Devices – No DHCP:

Each Mini device indirectly connected to the PC via a network switch.

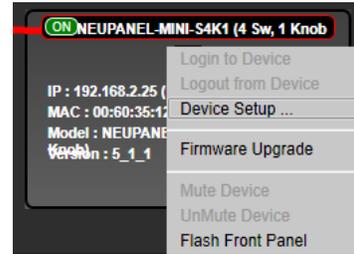
Unique, manually assigned/static IP addresses are assigned to each Mini device prior to being installed. Make sure your computer is set to “Obtain IP Address Automatically”.

We will set your computer’s static IP Address after changing the IP Addresses on all the Mini devices first.

1. Connect Mini device number one directly to your PC, reset its IP address as described on Page 6 (IP Reset) and establish a connection between the device and your PC/NeuConsole software as viewed in Network View.
2. Next, in **Network View** as shown at the right - right click the Mini device and select **“Device Setup”**.



In the **Network Properties** window that opens as shown at the left - select **“Change Network Configuration”** in order to disable DHCP and to insert IP addresses manually (it also provides two built in test procedures, device security, and device information).

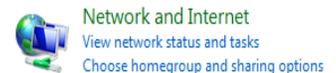


3. Assign the **unique IP Address of 192.168.1.X** to the first device – where X is a unique number between 0 & 255.
4. When finished – Select **“Apply”** to save changes and then **“Done”** to exit.
5. Complete steps 1 thru 4 above for each subsequent Mini device so that each is assigned its own unique static IP address (example – might be 192.168.1.190 / 191/ 192/ etc).
6. Your Mini devices will appear Offline until you assign a static IP address for your PC.
7. Once all the Mini devices have their own unique IP address they can be installed and we will also assign a manual/static IP address to your PC as instructed in #14 below.

14. A Static IP Address for your Computer - Multiple Devices – No DHCP:

In this section, we will be navigating through Microsoft Windows to determine your home networking information as it applies to manually assigning a unique static IP address to your computer.

1. The first step is to open the **'Start Menu'** and select **Control Panel**.
2. Click **View Network Status and Tasks** under the Network and Internet header as shown at the right.



3. Click on **Change adapter settings** on the left most tab.
4. Left-Click on **Local Area Connection** and click the **Properties** button. Select **Internet Protocol Version 4 (TCP/IPv4)** then click **Properties** to access the manual IP settings.



5. Set up your IP address to be **192.168.1.X** where the X can be any value from 0 – 255 – but unique from the other devices that you already manually assigned unique IP addresses to.
6. **Use the following settings for your PC's unique static address:** **IP Address: 192.168.1.X**
(Example – IP might be 192.168.1.195 based on my unique Mini device addresses above)
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1
DNS Servers: 192.168.1.1
7. If you set up your Mini devices as per step 13 on Page 8 & 9 above, you will now see them appear online and connected in **Network View** in the NeuConsole software.

- **Note:** Each Mini device (and processor device) also has a software based Remote Reset function to augment its physical IP Reset switch but the physical IP Reset procedure is more reliable.

If you have already installed Mini controls and need to do an IP Reset, try using the software Remote Reset procedure first before removing it from the wall to do a physical Reset.

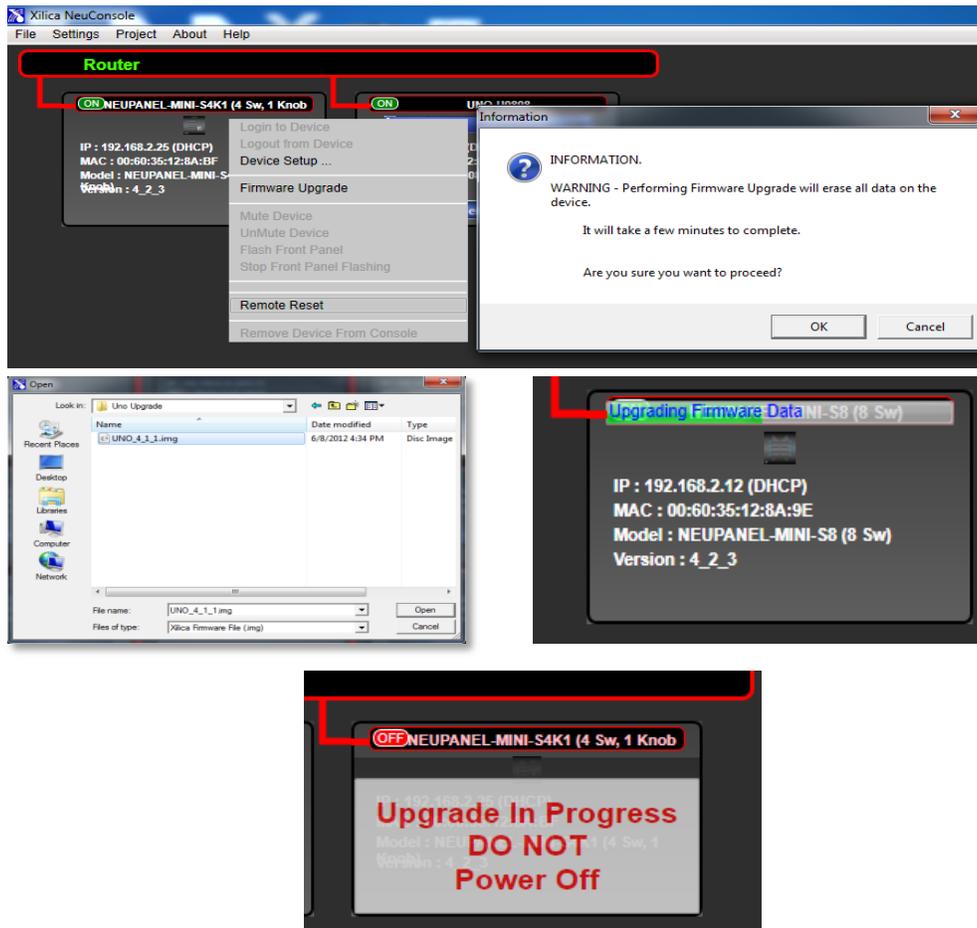
To accomplish a software Remote Reset,

Right click the Mini device (or processor device) in **Network View** and select **Remote Reset**.

15. Firmware Upgrade to Mini Series Wall Control Device:

Once the Mini devices and the NeuConsole software are connected and operational and before you start programming the Mini device - make sure it's **Firmware** is compatible with the software. Check device firmware version in Network View. See www.xilica.com – verify, download latest firmware, save file to your PC – and proceed below if you need to upgrade the Mini's firmware.

- **Power must not be disrupted during a firmware upgrade procedure**
- **In Network View** – Right click the Mini device, Select **"Firmware Upgrade"** from the menu and follow the instructions to install your saved firmware update as shown below.
- **Note:** As indicated with a safety message during the firmware upgrade procedure – a firmware upgrade will erase all saved data on the device. Thus perform this procedure before you program your Mini control device (or re-transfer/save a saved project design file to the Mini device after the firmware upgrade is complete).

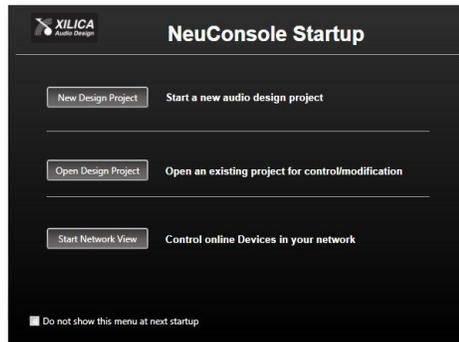
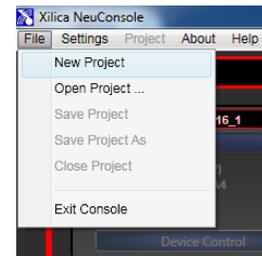


16. NeuConsole Software - Project View/Design Mode: (Begin to Program the Mini Wall Control)

Once you have completed setting up your network connection and have applied any required firmware updates you are ready to work with and program the Mini Series wall control device. **In the following example all devices are connected/operational and we are working from the premise that an Uno U0808 processors device design project has already been completed and saved on your PC. We will now open it and add a Mini wall control to that saved U0808 design and then program the Mini device with the required parameter controls from our saved project design that we want controlled by the Mini wall control.**
Note: We will program a Mini S4K1 control but the opened module image shown is that of the similar looking Mini K4. The exact Mini S4K1 image was not available at this time.

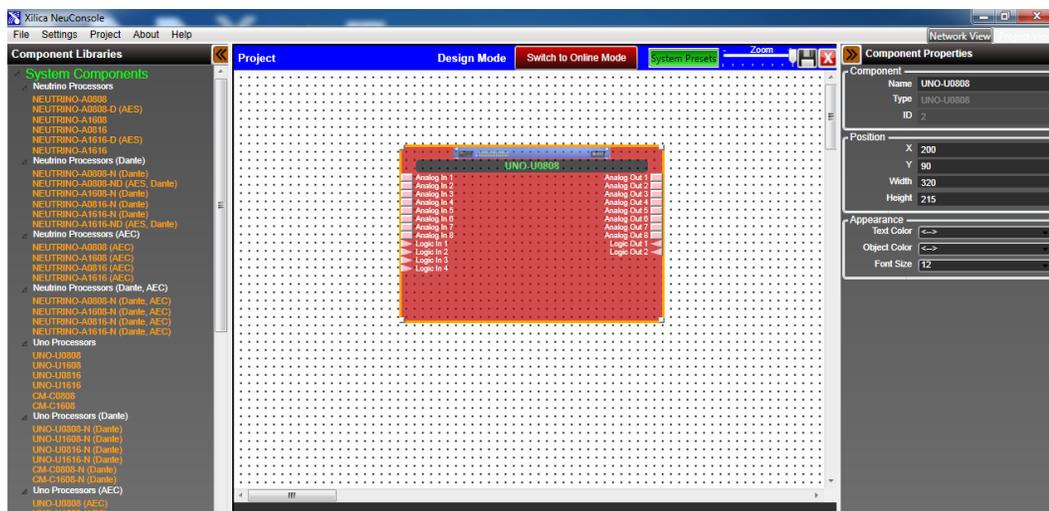
Open Design Project

- If you are still in the **Network View** window – Go to “**File**” at the top left and select “**Open Project**”. Select the saved DSP design project you want to work with control using the programmable Mini wall control.



If you have just opened the software - from the **NeuConsole Startup** window (as shown to the left) you can select “**Open Design Project**” in order to select your saved DSP design project.

- Either will open our saved DSP device design project in the **Project View/Design Mode** work area. As shown below, our saved project was designed using an Uno U0808 DSP model and that U0808 processor module (and its hidden DSP design schematic) are placed into the work area when the saved device design project is opened.



- Next, on the **Project View/Design Mode** work area page - from the **System Components** menu on the left - click and drag the **Mini control module** you are going to use for this control application and this DSP design project and drop it onto the white work area to the right of the U0808 processor module. **For our example shown below we chose the Mini S4K1.** You will notice that the **Mini S4K1** model placed in the project view work area (and the U0808 processor module) is a light see through red and grey color – as shown below.

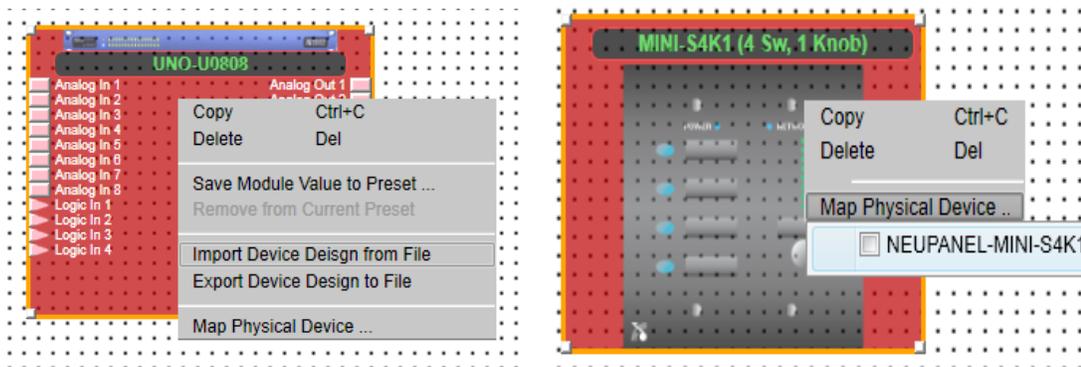


Map Physical Device

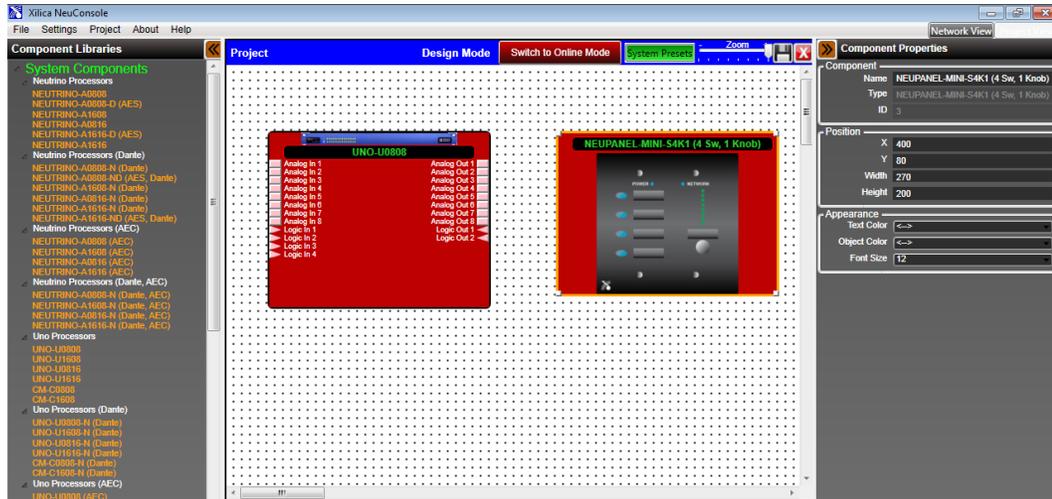
- With the Mini control module for this control application placed in the **Project View/Design Mode** work area as shown above (and when all devices are connected to the NeuConsole software) we need to **Map** or connect the Mini control module (and the processor module) with the actual physical Mini Control device (and processor device).

To do this,

- Right click each module** in the Project View/Design Mode work area, Select “**Map Physical Device**” and then select the specific device model from the drop down list.

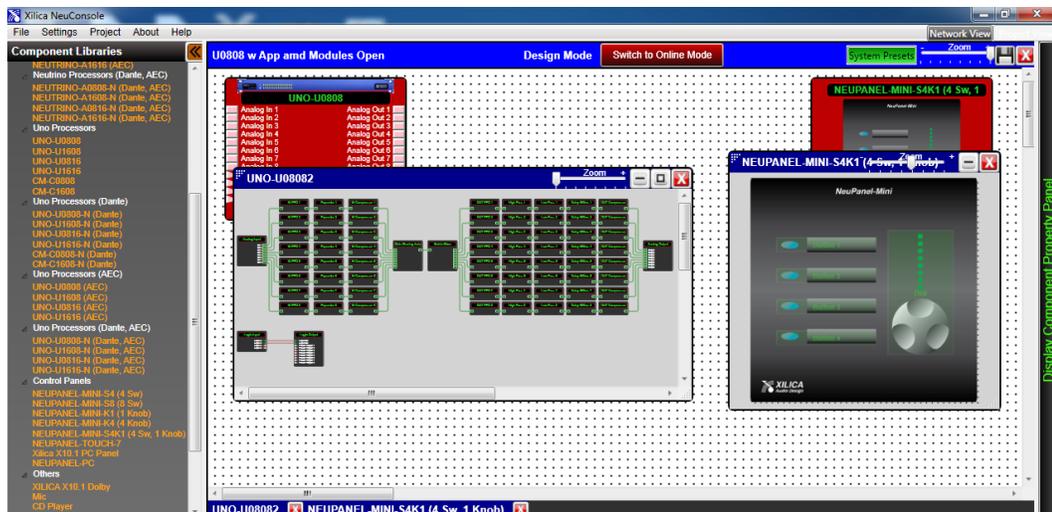


- Once done you will notice, as shown below, that each module in the work area has turned from light see through red and grey to a **solid red and grey** - to indicate successful mapping.



17. Programming the Mini Wall Control:

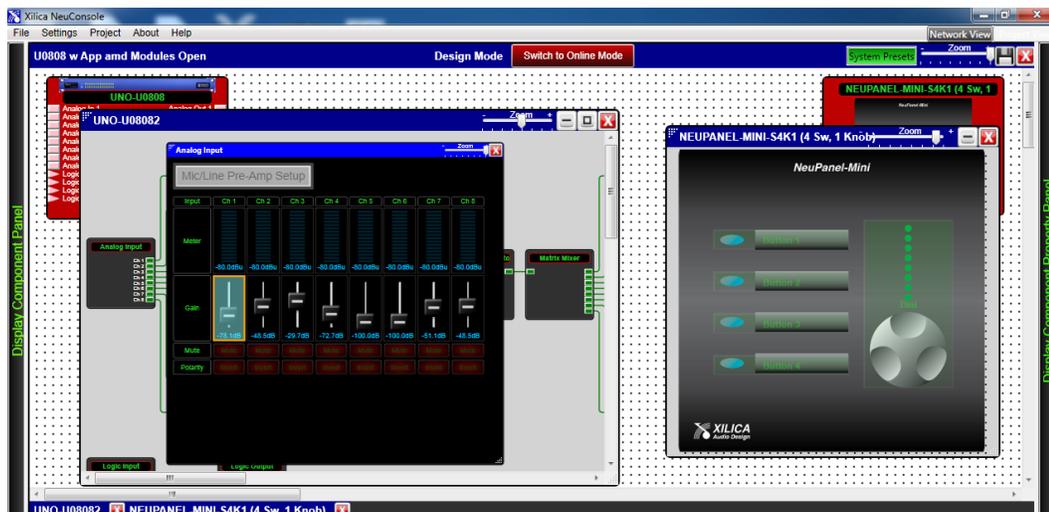
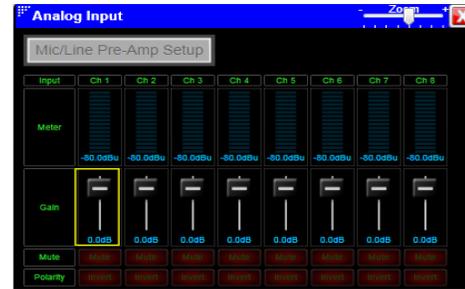
- Double click the processor module** in the Project View/Design Mode work area to open it and to display the DSP design schematic and DSP modules saved within it – as shown below.



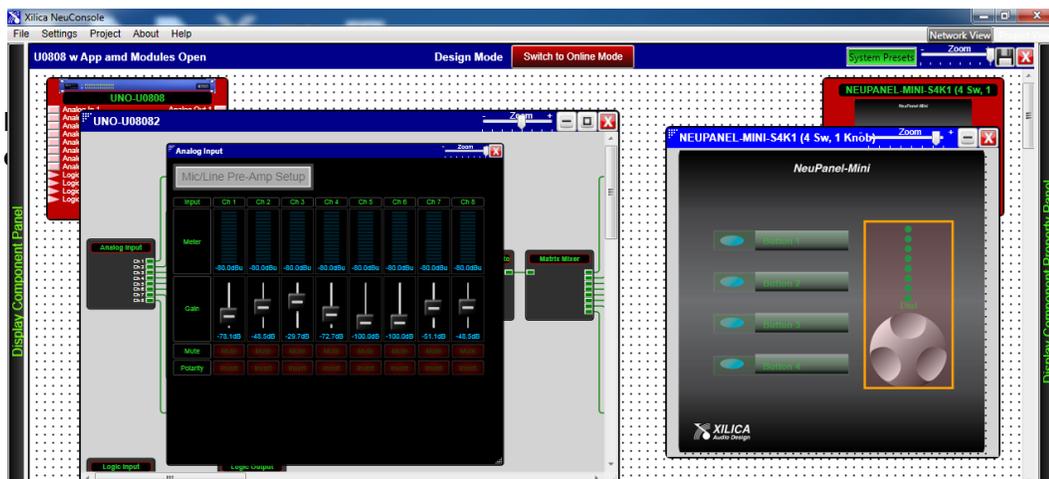
- Next, double click the red *Mini S4K1* control module** to open it and display the Mini control device. The *Mini S4K1* on/off buttons and level control are independent of each other and functions available to be programmed are light green in colour - as shown above right.
- Position both in the work area so each can be easily worked with as above. **Collapse the Component Libraries and/or Component Properties menus to provide more work area using the orange double arrow symbol to the right and left of each menu title as below.**



- **Now double click on the first DSP module** whose parameter function you want to control with the Mini-S4K1 wall control to open up that DSP module. **We opened the Input DSP module as shown below left (& at right).**
- **Place your cursor at the top left corner of the parameter function** you want to program into the Mini control; Correct starting position will turn the cursor into an + symbol; Click, hold, and highlight in Yellow to Capture the entire parameter function (as shown at right); Release once highlighted; Once highlighted properly the parameter function will change colour and have an orange highlight line around it.
- **In our example below we have highlighted and released to capture Input #1's Fader Level parameter function on the left side of the screen shot.**

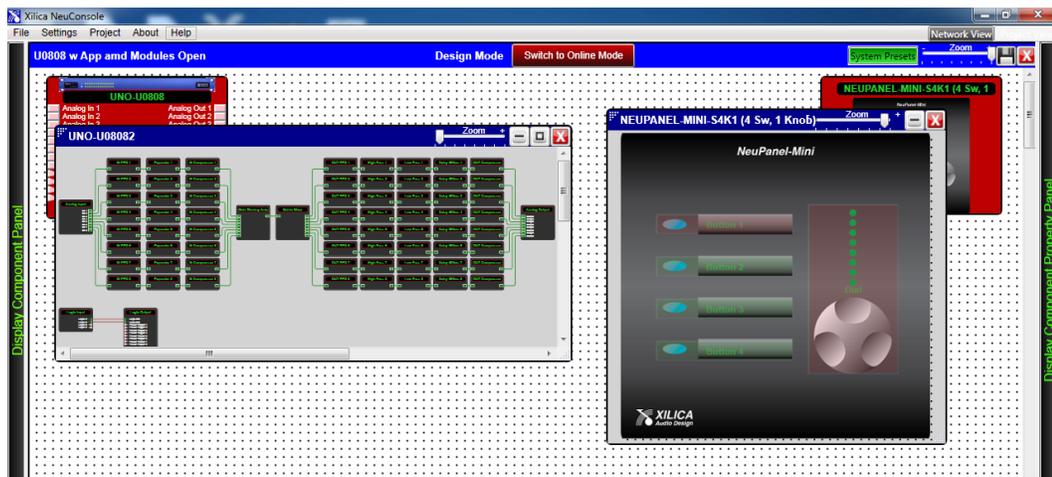


- **Next, drag and drop the highlighted Fader Level parameter function** onto the level control of the **Mini S4K1** wall control in the work area and release it there. Once released the Level control on the Mini device will turn light red and is highlighted with an orange line around it to indicate that it has been programmed - as shown below.

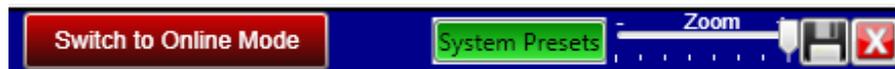


Note: If the parameter you highlight and drag & drop into the Mini control can be programmed into the Mini – that Mini control function will turn bright green as you approach it to drop the control parameter into it. If it displays bright red - it cannot be programmed into that position.

- **Next - position your cursor over the Input #1 Mute.** Highlight & Capture it in the same manner and after release - drag and drop the highlighted Mute function onto **Button #1 of the Mini S4K1 wall control.**
- Continue to further program the balance of the **Mini S4K1** control buttons (and any other Mini controls you drag and drop into the Project View work area) to satisfy your control needs using any viable parameter function from any DSP module & preset in your DSP design.
- **You have now successfully programmed two separate DSP parameter control functions into the Mini S4K1 wall control.** Input #1's Fader Level and Mute Control functions. As shown below - Both are now light red in color to indicate that they have been programmed and the Mini wall controls 3 remaining On/Off buttons remain light green in color as indicated – ready to be programmed (with other Switch and Preset control functions).



18. Save Project:



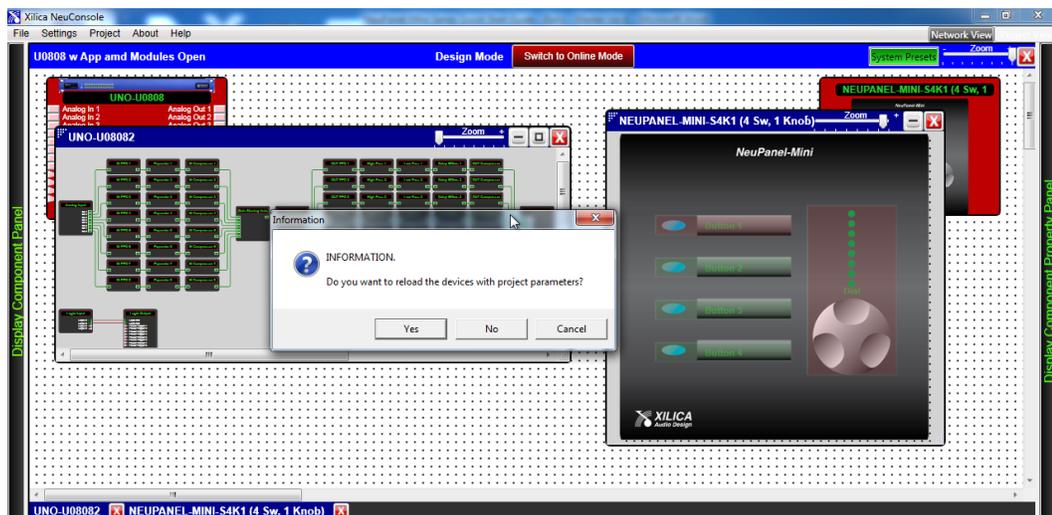
- Click the **“Save Project” Disc** located to the right of the zoom control in the **Project View** work area to “Save” your Mini control programming and the DSP design project work to your PC. Each time any programming or DSP adjustment is made the Save Project Disc will re-appear. **OR** - Select **“Save Project As”** or **“Save Project”** under the **File** menu at the top left of the Project View page to save your work.
- **Note:** This saves the Mini programming (and DSP design) you are working on to your PC/Computer but not to the physical Mini device (or processor device) itself. See **“Switch to Online Mode”** below to save your work to the physical Mini and processor devices.
- **Note:** We recommend that you **Save As** the project file twice. Once to create a **Master File** and a second time to create a **Work File**. Continue working with the Work File, update the Master File appropriately and the Master File is protected. At the end of the project – continue running the system with the Work File, rename it to Master Ver 2, or other.

19. Switch to Online Mode: (Transfer/Saving Work to the Physical Devices)

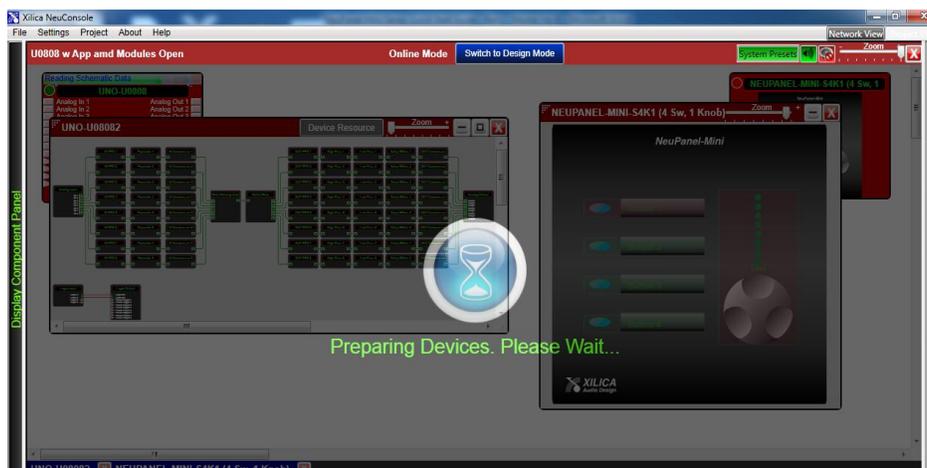
Once your Mini Wall Control programming (and DSP design project) are completed and saved to your PC - you can **Transfer/Save** your work to the connected physical devices.

Note: Only then will the Mini wall control (and processor) be active and able to control the processor/software as programmed. **To do this,**

- Select the red **“Switch to Online Mode”** button at the top of the Project View / Design Mode work area page as shown below.
- This button selection actually performs two functions at the same time – it transfers or saves your Mini programming (and DSP design) to the connected physical Mini control device (and processor) plus the Mini control device (and associated processor) are now Online and active/ live.
- Once the red **“Switch to Online Mode”** button is selected – information windows will ask you for permissions (as shown below) as a safety factor before proceeding to save your work to the physical devices.
- **Read and answer all permission window questions carefully before proceeding.**

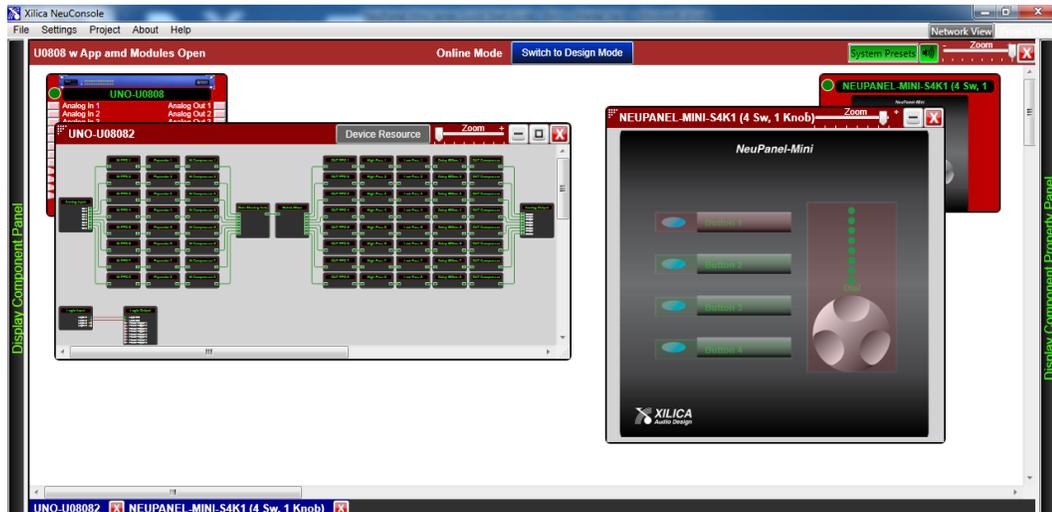


- Once you give permission the **Online Mode - Transfer/Saving** procedure will begin - with an hour glass symbol and a **“Preparing Devices – Please Wait”** message as shown below.



20. Online Mode:

Once the devices are finished being prepared you are in **Online Mode** (the Mini programming has been transferred/saved to the physical Mini device) (processor module information has been transferred/saved to the physical processor device).



- **Note** above that the menu bar at the top of the **Online Mode** work area page, the **Mini Control**, and the **Design Project Schematic** are now **Red** (not blue) to indicate being in **Online Mode**.
- **Note** that the Design Mode label at the top center of the page has changed to “**Online Mode**” and that the “Switch to Online Mode” button has been re-named “**Switch to Design Mode**” and is Blue now - not red.
Thus you are able to quickly switch back and forth between Online Mode and Design Mode.
- **Note** that the dotted design mode work area is now a plain white background.
- **Note** the added green “**Mute All Devices**” button at the top of the Online Mode page – between the System Presets button and the Zoom control.
- **Note** that when visible or when you collapse the design schematic back to the Mini control (and processor) module view in Online Mode - the Mini (and processor) device model has a green indicator beside both to indicate that both devices are connected. Plus you are Online and active.

21. Switching Back from Online Mode to Project View/Design Mode:

You cannot make changes to the Mini devices while in **Online Mode** – that can only be accomplished while in **Project View/Design Mode**.

(But, you can make adjustments to the processors DSP module parameters while in Online Mode thus you will see a permissions window upon switching back to Design Mode from Online Mode. That is related to saving changes made to the processor while in Online Mode back to the PC project file in Design mode and not the Mini control devices. See the processors Quick Start Guide for instructions to accomplish and safely manage that)

22. Working Offline:

Of course you can program the Mini wall controls (and work on a DSP design project) and save your work to a file while “Offline” - with no Mini (or processor) devices connected. Then later, connect the Mini device (and processor); Open your saved design project; Map both devices; And transfer/save your saved Mini programming (and DSP design work from your saved file) to the connected physical Mini control (and processor) devices by selecting the “Switch to Online Mode” button (as described and shown above).

23. New Design Project:

New Design Project or New Project is where we start a new DSP design project from scratch. In the example instructions above we added and programmed the Mini wall control after the DSP design project was already completed and saved to the PC. Thus we started from “Open Design Project” or “Open Project” to access our saved DSP design project and then proceeded to add the required Mini control model to the design and to program each of its control functions.

You could of course, have added the Mini wall controls required to your DSP design project in the early stages of a DSP design using our Neutrino processor or in conjunction with our Uno processor (after downloading an Uno App) - both starting from scratch using New Design Project or New Project.

24. Component Properties Menu:

The Component Properties menu on the right side of the Project View/Design Mode work area provides the means to alter the specific characteristics of each individual DSP Modules and to make other changes when the NeuConsole software is used in conjunction with a Neutrino Series DSP only. For the Mini Series controls, fewer Component Properties can be changed or named but include – changing the Component Name/label (NeuPanel-Mini-S4K1 to Lobby Control etc), its Position on work area and its Appearance information.

25. Additional Operational Guidance:

That should get you connected, operational, and the Mini wall controls programmed and functioning.

- For more detailed operational guidance please see the detailed User info that can be viewed in the NeuConsole software “Help File” or the Help File as saved on the USB drive packaged with each processor. This Quick Start Guide can be found in both locations as well.

Again, from everyone here at Xilica Audio Design, thank you for your support of our digital processors and products.

Kind regards,

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