

SWNet Quick Start Manual

This quick start guide provides basic instructions for setting up and operating the SEADA SolarWall Net IoT Management System (SWNet). In this quick start manual, all the SWNet endpoint devices have been set up with the '**SWNet Designer Software**' before being used.

If the device is not set up or you require more information about how to use the system, please see the SWNet User Guide, which is available on the SEADA website (<https://seada.co.uk/downloads>).

Note:

1. Do not fix the devices to any surface which is a heat source to avoid overheating.
2. Do not cover the surface or ventilation grills of the devices to avoid overheating.

1. Set up endpoint devices for the SWNet system

1. Use CAT6 (or higher) to connect each endpoint device with an IP switcher that supports IGMP and multicast with PoE (optional). (SEADA SD29 series IP Switcher is recommended)
2. Check the switches on the back of each device and ensure they are on the correct side for the receivers (RX) and transmitters (TX).
3. Connect the receivers to output screens, such as the videowall and monitors with HDMI.
4. Connect the input sources, such as media players and PCs, to the transmitters with HDMI.
5. Connect a USB cable from the PC to the same transmitter as the HDMI cable is connected to.

Note that only the USB port on the right can be used for KVM.

6. Set up the endpoint devices in the '**SWNet Designer Software**' for videowall, KVM and other applications.

2. Run the SWNet Client on the control PC and connect through LAN

The user can run the SWNet Client directly without installation. The client can be downloaded from the SEADA website (<https://seada.co.uk/downloads>).

Run the SWNet Client to get the Dialog box on the right.

LAN connection

Connect control PC to the same network as the endpoint devices.


The default static IP address of each endpoint device for the SWNet system is stated on the device between 192.168.1.2 and 192.168.1.254. The user needs to change the IP address of the control PC to a static IP address and the same network segment as the devices at TCP/IPv4 in '**Ethernet Properties**'.

- **IP address:** any address between 192.168.1.2 and 192.168.1.254 except the address which has been taken by the endpoint devices.
- **Subnet Mask:** 255.255.255.0
- **Default Gateway:** 192.168.1.1

When logging in for the first time, the '**Username**' and '**Password**' should follow the setting in the '**SWNet Designer Software**'. By entering the local IP address of the control PC in '**IP**' and clicking '**OK**', the SWNet Client will be connected automatically.

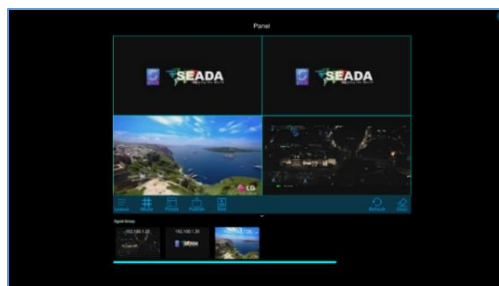
Note: Ensure to set up a username/password in SWNet Designer Software if it is the first-time login.

Note : 'Server Ip' can be left empty as it is for further development.



3. Run the videowall

The default setting when starting the software is one window per output videowall with the input signals. The user can set up the videowall by dragging and dropping the input signals onto the panel. The function of each tab on the panel for setting up a videowall will be:



- **Layout:** Manage the layouts for the videowall, such as saving layouts, recalling layouts, editing layouts, and looping layouts. (Maximumly 1000)
- **Mode:** Set up the grid layouts for each screen – (1) Full; (2) Free; (3) Default and (4) other grid layouts saved using the '**SWNet Designer Software**'.
- **Preset:** Preset the videowall offline.
- **Publish:** Apply the offline preset layout onto the videowall.
- **Text:** Display scrolling texts on the videowall.
- **Refresh:** Refresh the layout in the SWNet Client to match the videowall.
- **Clear:** Clear the current videowall

By double-clicking the input signal, the user can see the preview of the input signal and there are some additional functions available.



- **Crop:** Crop the selected input signal to any size.
- **OSD:** Add OSD onto the input signal. (Signals from RTSP streaming and PC don't support OSD.)
- **Pen:** Enable the function to draw on the input video signal.
- **Cursor:** Switch back to the mouse mode.

By double-clicking the panel when there are no windows on it, the user can choose a picture to set as the background for the videowall. The user can also left-click a certain window on the videowall to bring to the front or long-press to send it to the back.

4. Run the KVM Matrix

SWNet KVM allows users to control multiple PCs with one set of Keyboard & Mouse on one monitor or across multiple monitors. After setting up KVM with the SWNet Designer Software, connect one of the receivers (RXs) to one set of keyboard and mouse. Then connect the transmitters to the PC with a USB cable. The Login Page for KVM matrix can be accessed by pressing the "**Ctrl**" button 3 times on the keyboard. After entering the username and password at the login dialog, and clicking '**Enter**', the user will enter the KVM matrix. By pressing the '**Ctrl**' button 3 times, the user can view the KVM input control menu, and drag and drop input signals onto the screen. After pressing '**Esc**', the user can move and switch between the monitors to control PCs with the keyboard and mouse.

The shortcuts for SWNet KVM are:

- **Press 'Ctrl' 3 times under the KVM matrix:** Show the KVM matrix menu.
- **Press 'Shift' 3 times under the KVM matrix:** Show the KVM communication menu.
- **Press 'Alt' 3 times under the KVM matrix:** Show the videowall menu.
- **Press 'Esc' under any menu:** Exit from any menu back to KVM matrix.
- **Press 'Home' under any menu:** Logout.

Note: If the user tries entering a menu not activated, for example, press 'shift' 3 times when there is only one station, the system will lock, and the user can use 'Esc' to exit this status.