APPLICATION NOTE - EMX2/10–Horizon

EMX2/10 and SandNet used with Horizon lighting control software

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SoftWare and FirmWare: Horizon: Build 1.26 or later, EMX2/10: FW 1.04.0 or later, SandNet: V1.3.0.2 or later.

This application note describes the correct setup procedure for the EMX2/10 SandBoxes as output devices for Horizon lighting control software with Pathport output, using SandNet for EMX2 configuration.

Note: This procedure is only necessary for initial setup to configure the SandBox. SandNet is not required to run after the initial setup, Horizon will communicate directly with the SandBox.

Note: If running SandNet on the same computer as Horizon please ensure that the Horizon application is started before the SandNet application.

1) Start Horizon on you computer.

2) In Setup / Interfaces ensure that the Pathport interface is selected.

3) Make sure that the Ethernet cable is plugged into the EMX2 prior to powering it up. This facilitates the discovery of any local DHCP servers. The EMX2 will flash its LEDs during the initialization process.

4) Start SandNet on any computer connected to the same network as the EMX2.

5) Click on "Ethernet Sandboxes" in the SandNet device directory tree. This will open a sub-tree of all discovered devices. The list includes a colored status indicator, Type, Name, the last 6 characters of the MAC address, and the IP address. Green indicates an active device and black indicates a device that SandNet has lost contact with.

6) Click on the EMX2 to be managed. This will open a "Properties" page for the selected EMX2. The page facilitates device configuration, including input/output settings. A green indicator will flash in the left corner of the page to indicate that the connection to the selected device is active.

7) Clicking the "Identify" button will flash all of the LEDs on the selected EMX2 for several seconds.

8) Under the "Advanced" tab set "Mode" to "DMX Output" for both ports. The red output LEDs on the EMX2 will light up to indicate that the ports are in output mode.

 9) Set "DMX Output Source" to "Pathport" for both ports.

10) Select the desired "Universe" for each port. The red output LED on the EMX2 will blink when valid Pathport DMX data is received by the EMX2 and transmitted by the respective EMX2 port.

11) It is possible to change the name of the EMX2 in the "Name" box.   Type new name and press enter. Default name is SAND and the last 6 characters of the MAC address.

12) You can close down SandNet and the SandBox is now configured for Pathport input from Horizon. The settings are stored in Flash memory in the SandBox and will be there every time you use the SandBox, unless you change the settings.