

Device: Ensemble Design BrightEye NXT 450/900



Setup BrightEye NXT 450/900

Two steps must be performed in order for a SKAARHOJ controller to communicate with an Ensemble Designs BrightEye unit. Log into the web interface of the BrightEye to configure.

Protocol

The protocol must be set to "Generic ASCII" in the "External Control" tab and TCP/IP control must be enabled.

The screenshot shows the web interface of the BrightEye NXT 410. The browser address bar indicates the URL is `192.168.10.39/#/settings/external-control/`. The page title is "NXT 410 Settings > External Control".

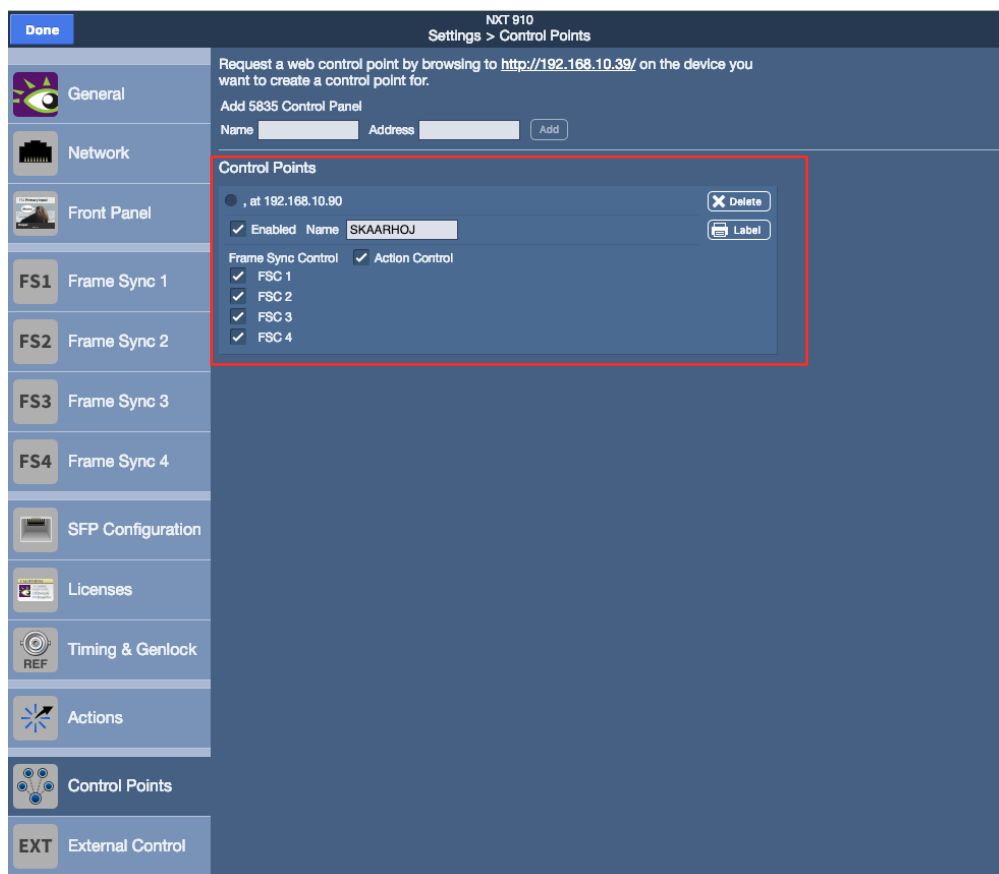
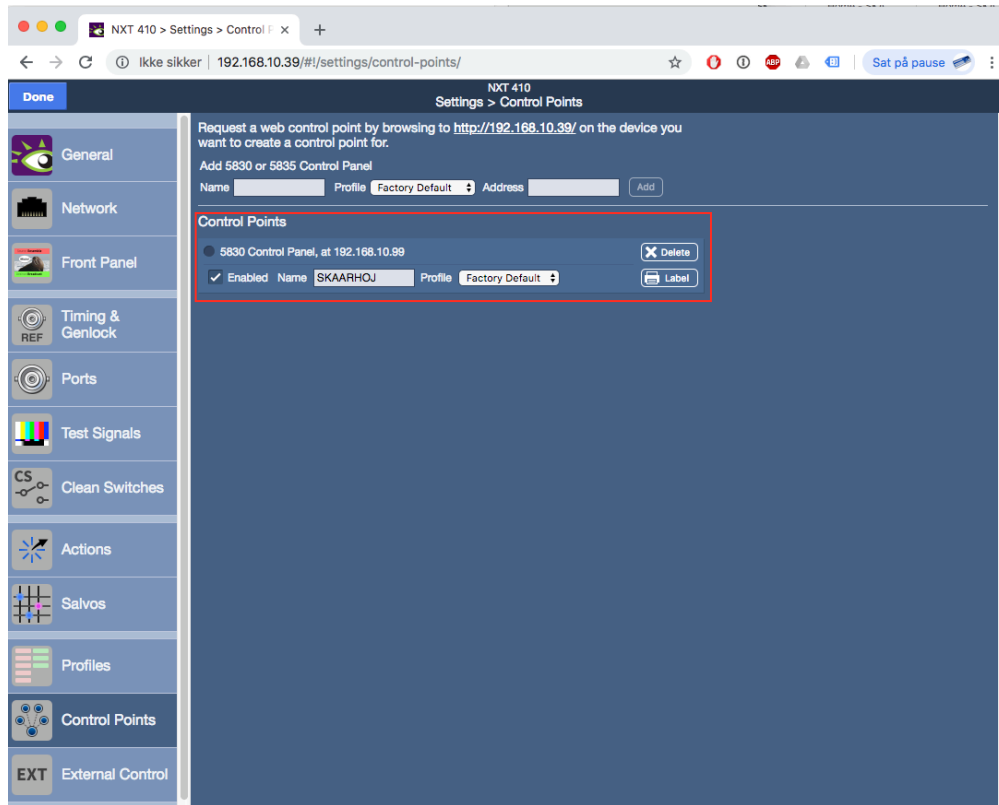
The left sidebar contains the following menu items: Done, General, Network, Front Panel, Timing & Genlock, Ports, Test Signals, Clean Switches, Actions, Salvos, Profiles, Control Points, and EXT External Control.

The main content area is divided into several sections:

- TCP/IP Control (port 5200)**: This section is highlighted with a red box. It contains three dropdown menus: "Enable" (set to "On"), "Protocol" (set to "Generic ASCII"), and "Profile" (set to "Factory Default").
- RS-232 Serial Control**: This section contains three dropdown menus: "Enable" (set to "On"), "Protocol" (set to "Generic ASCII"), and "Profile" (set to "Factory Default"). Below these are four input fields: "Baud Rate" (9600), "Data Bits" (8 Bits), "Stop Bits" (1 Bit), and "Parity" (None).
- GPIO Devices**: This section contains a table for "GPIO Device 1" with columns for "Enabled", "Name", "Address", "Type", and "Status". The "Name" is "GPI interface", "Address" is empty, "Type" is "eBOX", and "Status" is "Not Connected". There is an "Edit" button next to the table.
- SNMP**: This section contains a checkbox for "SNMP Enabled" (unchecked) and a "Download MIB" button. Below this are three input fields: "Device Name" (NXT 410), "Device Location", and "Device Contact".
- Allowed Devices/Networks**: This section contains a table with columns for "Enabled", "Access", "Address", "Community String", and "Comment". There are four rows, each with a "Read Only" dropdown menu.
- Trapsinks**: This section contains a table with columns for "Enabled", "Version", "Address", "Community String", "Port", and "Comment". There are four rows, each with an "SNMPv1" dropdown menu.

Control Points

The SKAARHOJ controller must be added as a control point with proper IP address. The IP address set must match the IP address of the SKAARHOJ controller connected.



Confirmation of Connection

When a SKAARHOJ unit have successfully connected to the BrightEye NXT unit a message with "Connected to EnsembleDesigns NXT" will appear in the serial monitor.

