

Ensemble Designs

Setup BrightEye NXT 450/900

Two steps must be performed in order for a SKAARHOJ controller to communicate with a 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.

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".

On the left is a sidebar with navigation tabs: Done, General, Network, Front Panel, Timing & Genlock, Ports, Test Signals, Clean Switches, Actions, Salvos, Profiles, Control Points, and EXT External Control (which is currently selected).

The main content area is divided into several sections:

- TCP/IP Control (port 5200)**: Contains an "Enable" dropdown set to "On", a "Protocol" dropdown highlighted with a red box and set to "Generic ASCII", and a "Profile" dropdown set to "Factory Default".
- RS-232 Serial Control**: Contains an "Enable" dropdown set to "On", a "Protocol" dropdown set to "Generic ASCII", a "Profile" dropdown set to "Factory Default", and fields for "Baud Rate" (9600), "Data Bits" (8 Bits), "Stop Bits" (1 Bit), and "Parity" (None).
- GPIO Devices**: Shows "GPIO Device 1" with an "Enabled" checkbox, "Name" (GPI interface), "Address", "Type" (eBOX), and "Status" (Not Connected). An "Edit" button is present.
- SNMP**: Includes an "SNMP Enabled" checkbox, a "Download MIB" button, and fields for "Device Name" (NXT 410), "Device Location", and "Device Contact".
- Allowed Devices/Networks**: A table with columns: Enabled, Access, Address, Community String, and Comment. It shows four rows, all with "Read Only" access and "public" community string.
- Trapsinks**: A table with columns: Enabled, Version, Address, Community String, Port, and Comment. It shows four rows, all with "SNMPv1" version and port "0".

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.

