



Manufacturer: Barco N.V.
 Model: ClickShare
 Device Type: System Control

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Barco ClickShare
CATEGORY:	System Control
VERSION:	1.0
SUMMARY:	Controls the ClickShare device.
GENERAL NOTES:	This module is used to control a ClickShare via TCP/IP. The port used is 4000(decimal). The functions concerning the Display are not applicable for the CSM-1 model.
CRESTRON HARDWARE REQUIRED:	2-Series controller with Ethernet.
SETUP OF CRESTRON HARDWARE:	TCP/IP: Install a TCP/IP Client Use port 4000(decimal). Provide the IP Address, IP Port, login and password to communicate with the ClickShare device.
VENDOR FIRMWARE:	Barco ClickShare V1.0
VENDOR SETUP:	Install and configure Barco ClickShare
CABLE DIAGRAM:	None

CONTROL:

<i>Signal/Function Name</i>	<i>D,S,A</i>	<i>Digital, Serial, Analog signal property definition.</i>
Connect	D	Pulse to activate the TCP/IP Connection.
GetModelName	D	Pulse to retrieve the model type of the device.
GetRoomName	D	Pulse to retrieve the name of the room configured in the device.
GetSerialNumber	D	Pulse to retrieve the serial number of the device.
GetFirmwareVersion	D	Pulse to retrieve the firmware version of the device.



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GetLanHostname	D	Pulse to retrieve the LAN hostname.
GetWLANSSID	D	Pulse to retrieve the Wireless LAN SSID.
GetDeviceInfoInUse	D	Pulse to retrieve if the device is in use. This means one or more buttons are streaming to the display.
GetNumberButtons	D	Pulse to retrieve the number of buttons that have been used.
GetDisplayStandbyState	D	Pulse to retrieve the current standby state of the display.
SetStandbyStateOn	D	Pulse to get the display out of standby.
SetStandbyStateOff	D	Pulse to set the display into standby.
ToggleStandbyState	D	Pulse to toggle the display standby state.
GetDisplayMode	D	Pulse to retrieve the current display mode. Clone or Extended. (not applicable for CSM-1)
SetDisplayModeClone	D	Pulse to set the display mode to Clone. (not applicable for CSM-1)
SetDisplayModeExtended	D	Pulse to set the display mode to Extended. (not applicable for CSM-1)
ToggleCloneExtended	D	Pulse to toggle the display mode. (not applicable for CSM-1)
GetDisplayOutputDP	D	Pulse to retrieve if the Display Port output is enabled or disabled. (not applicable for CSM-1)
EnableDisplayOutputDP	D	Pulse to enable the Display Port output. (not applicable for CSM-1)
DisableDisplayOutputDP	D	Pulse to disable the Display Port output. (not applicable for CSM-1)
ToggleDisplayOutputDP	D	Pulse to toggle the Display Port output. (not applicable for CSM-1)
GetDisplayOutputDVI	D	Pulse to retrieve if the DVI output is enabled or disabled. (not applicable for CSM-1)
EnableDisplayOutputDVI	D	Pulse to enable the DVI output. (not applicable for CSM-1)
DisableDisplayOutputDVI	D	Pulse to disable the DVI output. (not applicable for CSM-1)
ToggleDisplayOutputDVI	D	Pulse to toggle the DVI output. (not applicable for CSM-1)
GetDisplayOutputDPConnected	D	Pulse to retrieve if a display is connected to the DisplayPort output. (not applicable for CSM-1)



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GetDisplayOutputDVICConnected	D	Pulse to retrieve if a display is connected to the DVI output. (not applicable for CSM-1)
GetButtonTable	D	Pulse to retrieve the list of the first 10 buttons.
CS_IP_Address	S	Serial signal to set the IP address.
CS_IP_Port_Number	A	Serial signal to set the IP port. By default should be 4000 decimal.
CS_Login	S	Serial signal to set the user login. Default should be integrator.
CS_Password	S	Serial signal to set the user password. Default should be integrator.
ClearOutputs	D	Pulse to clear all output signals.
ClearLogString	D	Pulse to clear LogString\$

FEEDBACK:

Connected	D	High while the TCP/IP connection is active.
Connection_status	A	Indicates the TCP/IP connection status.
ModelName\$	S	Serial signal containing the model name.
RoomName\$	S	Serial signal containing the room name.
SerialNumber\$	S	Serial signal containing the serial number.
FirmwareVersion\$	S	Serial signal containing the firmware version.
LanHostname\$	S	Serial signal containing the LAN hostname.
WLANSID\$	S	Serial signal containing the Wireless LAN SSID.
DeviceInfoInUse	D	High to indicate if the device is in use.
NrButtons	A	Indicates the number of buttons.
DisplayStandbyStateOn	D	High to indicate if the display is in Standby.



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DisplayStandbyStateOff	D	High to indicate if the display is not in Standby.
DisplayModeClone	D	High to indicate if the display is in Clone mode.
DisplayModeExtended	D	High to indicate if the display is in Extended mode.
DisplayOutputDPEnabled	D	High to indicate if the Display Port output is enabled.
DisplayOutputDPDisabled	D	High to indicate if the Display Port output is disabled.
DisplayOutputDVIEnabled	D	High to indicate if the DVI output is enabled.
DisplayOutputDVIDisabled	D	High to indicate if the DVI output is disabled.
DisplayOutputDPConnected	D	High to indicate if the Display Port output is connected.
DisplayOutputDVIConected	D	High to indicate if the DVI output is connected.
ConnectedNrButtons	A	Indicates the number of connected buttons.
ButtonConnected#	D	High to indicate if this button is connected.
ButtonSerial#	S	Serial signal containing the serial number of a button.
ButtonFW#	S	Serial signal containing the firmware of a button.
ButtonStatus#	S	Serial signal containing the status of a button.
DisplayNotSupported	D	High to indicate if display functions are not supported (CSM-1)
LogString\$	S	Serial signal containing string with logging.

TESTING:

OPS USED FOR TESTING:	4.008.0008
SIMPL WINDOWS USED FOR TESTING:	4.02.38.00
DEVICE DB USED FOR TESTING:	56.02.003.00
CRESTRON DB USED FOR TESTING:	45.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	508



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SAMPLE PROGRAM:	Barco ClickShare Demo
REVISION HISTORY:	V. 1.0 – Original Release