



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

GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Barco ClickShare CS/CX
CATEGORY:	System Control
VERSION:	4.00
SUMMARY:	Controls the ClickShare CS-100, CSE-200, CSE-200+, CSE-800, CX-20, CX-30, CX-50 device.
GENERAL NOTES:	This module is used to control a ClickShare via TCP/IP - HTTPS. NOTE : If extensive polling is required, please increase the THREADPOOLSIZE on the controller. Select the parameter ClickShareType : CS-series or CX-series
CRESTRON HARDWARE REQUIRED:	3-Series controller with Ethernet.
SETUP OF CRESTRON HARDWARE:	TCP/IP: Fixed port 4001(decimal) is used for CS, 4003(decimal) for CX. Provide the IP Address, login and password to communicate with the ClickShare device.
VENDOR FIRMWARE:	CS: V01.10.00.013 CX: V02.05.00.0011
VENDOR SETUP:	Install and configure Barco ClickShare. "Remote Control via API" under Services should be enabled. CS: Default API user/password is integrator/integrator CX: Default API user/password is admin/admin
CABLE DIAGRAM:	None

CONTROL:

<u>Signal/Function Name</u>	<u>D,S,A</u>	<u>Digital, Serial, Analog signal property definition.</u>
LogCommunication	D	Pulse to activate the tracing the communication from and to the device.
GetModelName	D	Pulse to retrieve the model type of the device.



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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.
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	CS: Pulse to retrieve the number of buttons that have been used.
GetDisplayStandbyState	D	CS: Pulse to retrieve the current standby state of the display.
SetStandbyStateOn	D	CS: Pulse to get the display out of standby.
SetStandbyStateOff	D	CS: Pulse to set the display into standby.
ToggleStandbyState	D	CS: Pulse to toggle the display standby state.
RestartSystem	D	CS: Pulse to restart system.
GetDeviceInfoSharing	D	Pulse to retrieve if the device is sharing content
GetInputCardState1	D	Pulse to retrieve the state of inputCard1.
GetInputCardState2	D	Pulse to retrieve the state of inputCard2.
SetInputCardEnable1	D	Pulse to enable the InputCard1.
SetInputCardEnable2	D	Pulse to enable the InputCard2.
SetInputCardDisable1	D	Pulse to disable the InputCard1.
SetInputCardDisable2	D	Pulse to disable the InputCard2.
GetDisplayMode	D	Pulse to retrieve the current status of the display mode.
SetDisplayCloneMode	D	Pulse to enable the Clone mode.
SetDisplayExtendedMode	D	Pulse to enable the Extended mode.
SetDisplaySpanMode	D	Pulse to enable the Span mode.



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GetPowerStatus	D	Pulse to retrieve the status on/standby.
GetButtonTable	D	Pulse to retrieve the list of the buttons.
CS_IP_Address	S	Serial signal to set the IP address.
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.

FEEDBACK:

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.
DevicesSharing	D	High to indicate if the device is sharing content.
InputCardEnabled1	D	High to indicate if inputCard1 is enabled.
InputCardEnabled2	D	High to indicate if inputCard2 is enabled.
NrButtons	A	Indicates the number of buttons.
DisplayStandbyStateOn	D	High to indicate if the display is in Standby.
DisplayStandbyStateOff	D	High to indicate if the display is not in Standby.



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DisplayCloneMode	D	High to indicate if the display is in Clone Mode.
DisplayExtendedMode	D	High to indicate if the display is in Extended Mode.
DisplaySpanMode	D	High to indicate if the display is in Span Mode.
PowerStatus\$	D	Serial signal containing the power status On/Standby
NrConnectedButtons	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.

TESTING:

OPS USED FOR TESTING:	1.601.0048
SIMPL WINDOWS USED FOR TESTING:	4.14.20
DEVICE DB USED FOR TESTING:	200.01.001.00
CRESTRON DB USED FOR TESTING:	200.00.004.00
SYMBOL LIBRARY USED FOR TESTING:	508
SAMPLE PROGRAM:	Barco ClickShare Demo V4.00
REVISION HISTORY:	v1.00 – Supporting all models v3.00 – Support for Crestron 4-series processor & newtonsoft updated v4.00 – Support for ClickShare CX-series