Crestron Module

Clear Touch 5000C-6000K-7000X Displays

GENERAL INFORMATION	
SIMPLEWINDOWS NAME:	ClearTouch 5000C-600K-7000x
VERSION:	V1.0
SUMMARY:	This Module is for Use with Clear Touch 5000C-6000K-7000X Interactive Displays.
GENERAL NOTES:	NOTE: Requires Crestron Database and Crestron Device Database v200 or later. The RS232 control communication details are below: - Baud Rate: 9600 - Data Bits: 8 - Stop Bits: 1 - Parity: N
CRESTRON HARDWARE REQUIRED:	Serial
SETUP OF CRESTRON HARDWARE:	Module supports both 3rd and 4th series processors
VENDOR FIRMWARE:	Unknown

CONTROL		
RX$	S	Receive Response from the Clear Touch connection symbol into Module.
Power_On	D	Trigger Digital signal to power on Display from fully off state. Note that this will take 35 seconds to complete
Power_Off	D	Trigger Digital signal to fully power off display. Note this will take up to 35 seconds to complete.
Backlight_On	D	Trigger Digital Signal to turn the backlight of the display on from a off state.
Backlight_Off	D	Trigger Digital signal to Turn the backlight of the display off (puts the display in sleep mode)
Backlight_up	D	Trigger Digital signal to increase the level of the displays Backlight from 0-100d. While signal is high will increase brightness in 1d steps.
Backlight_down	D	Trigger Digital signal to decrease the level of the displays Backlight from 100-0d. While signal is high will decrease brightness in 1d steps.
Volume_up	D	Trigger Digital signal to increase the displays volume from 0-100d. While signal is high will increase volume in 1d steps.
Volume_Down	D	Trigger Digital signal to decrease the displays volume from 100-0d. While signal is high will decrease volume in 1d steps.
Mute_On	D	Trigger Digital signal to enable displays volume mute
Mute_Off	D	Trigger Digital signal to disable displays volume mute
Treble_up	D	Trigger Digital signal to increase the displays Treble level from 0-100d. While signal is high will increase Treble level in 1d steps.
Treble_down	D	Trigger Digital signal to decrease the displays Treble level from 100-0d. While signal is high will decrease Treble level in 1d steps.
Bass_up	D	Trigger Digital signal to increase the displays Bass level from 0-100d. While signal is high will increase Bass level in 1d steps.
Bass_down	D	Trigger Digital signal to decrease the displays Bass level from 100-0d. While signal is high will decrease Bass level in 1d steps.
Balance_up	D	Trigger Digital signal to increase the displays Balance from 0-100d. While signal is high will increase Balance in 1d steps.
Balance_down	D	Trigger Digital signal to decrease the displays Balance from 100-0d. While signal is high will decrease Balance in 1d steps.
Movie_Sound_Mode	D	Trigger Digital signal to set the displays sound mode to Movie sound mode.
Standard_Sound_Mode	D	Trigger Digital signal to set the displays sound mode to Standard sound mode.

Custom_Sound_Mode	D	Trigger Digital signal to set the displays sound mode to Custom sound mode.
Classroom_Sound_Mode	D	Trigger Digital signal to set the displays sound mode to Classroom sound mode.
Meeting_Sound_Mode	D	Trigger Digital signal to set the displays sound mode to Meeting sound mode.
Standard_Picture_Mode	D	Trigger Digital signal to set the displays picture mode to Standard Picture Mode.
Bright_Picture_Mode	D	Trigger Digital signal to set the display to Bright Picture Mode.
Soft_Picture_Mode	D	Trigger Digital signal to set the displays picture mode to Soft Picture Mode.
Custom_Picture_Mode	D	Trigger Digital signal to set the displays picture mode to Custom Picture Mode.
Cool_Color_Temp	D	Trigger Digital signal to set the displays color mode to Cool Color Temp.
Standard_Color_Temp	D	Trigger Digital signal to set the displays color mode to Standard Color Temp.
Warm_Color_Temp	D	Trigger Digital signal to set the displays color mode to Warm Color Temp
Contrast_Up	D	Trigger Digital signal to increase the displays Contrast from 0-100d. While signal is high will increase Contrast in 1d steps.
Contrast_Down	D	Trigger Digital signal to decrease the displays Contrast from 100-0d. While signal is high will decrease Contrast in 1d steps.
Brightness_up	D	Trigger Digital signal to increase the displays Brightness from 0-100d. While signal is high will increase Brightness in 1d steps.
Brightness_down	D	Trigger Digital signal to decrease the displays Brightness from 100-0d. While signal is high will decrease Brightness in 1d steps.
Sharpness_up	D	Trigger Digital signal to increase the displays Sharpness from 0-100d. While signal is high will increase Sharpness in 1d steps.
Sharpness_down	D	Trigger Digital signal to decrease the displays Sharpness from 100-0d. While signal is high will decrease Sharpness in 1d steps.
Hue_up	D	Trigger Digital signal to increase the displays Hue from 0-100d. While signal is high will increase Hue in 1d steps.
Hue_down	D	Trigger Digital signal to decrease the displays Hue from 100-0d. While signal is high will decrease Hue in 1d steps.
Aspect_Ratio_16_9	D	Trigger Digital signal to set the Content Aspect Ratio to 16:9 on inputs that aspect ratio can be set.

Aspect_Ratio_4_3	D	Trigger Digital signal to set the Content Aspect Ratio to 4:3 on inputs that the aspect ratio can be set.
Aspect_Ratio_PTP	D	Trigger Digital signal to set the Content Aspect Ratio to PTP on inputs that aspect ratio can be set.
HDMI_1	D	Trigger Digital signal to set the display to the HDMI 1 input.
HDMI_2	D	Trigger Digital signal to set the display to the HDMI 2 input
HDMI_3	D	Trigger Digital signal to set the display to the HDMI 3 input
HDMI_4	D	Trigger Digital signal to set the display to the HDMI 4 input
DisplayPort	D	Trigger Digital signal to set the display to the DisplayPort input
VGA_1	D	Trigger Digital signal to set the display to the VGA 1 input
VGA_2	D	Trigger Digital signal to set the display to the VGA 2 input
VGA_3	D	Trigger Digital signal to set the display to the VGA 3 input
TV	D	Trigger Digital signal to set the display to the TV input
CVBS/AV	D	Trigger Digital signal to set the display to the CVBS/AV input
Android	D	Trigger Digital signal to set the display to the Android input
Android+	D	Trigger Digital signal to set the display to the Android+ input
Slot_in_PC	D	Trigger Digital signal to set the display to the Slot in PC input
English	D	Trigger Digital signal to set the display to English Language
Francais	D	Trigger Digital signal to set the display to French Language
Espanol	D	Trigger Digital signal to set the display to Spanish Language
Chinese(Traditional)	D	Trigger Digital signal to set the display to the Traditional Chinese Language
Chinese	D	Trigger Digital signal to set the display to the Chinese Language
Portuguese	D	Trigger Digital signal to set the display to the Portuguese Language
German	D	Trigger Digital signal to set the display to the German Language
Dutch	D	Trigger Digital signal to set the display to the Dutch Language
Polish	D	Trigger Digital signal to set the display to the Polish Language
Russia	D	Trigger Digital signal to set the display to the Russian Language
Czech	D	Trigger Digital signal to set the display to the Czech Language
Danish	D	Trigger Digital signal to set the display to the Danish Language
Swedish	D	Trigger Digital signal to set the display to the Swedish Language
Italian	D	Trigger Digital signal to set the display to the Italian Language
Romanian	D	Trigger Digital signal to set the display to the Romanian Language
Norwegian	D	Trigger Digital signal to set the display to the Norwegian Language

Finnish	D	Trigger Digital signal to set the display to the Finnish Language
Greek	D	Trigger Digital signal to set the display to the Greek Language
Turkish	D	Trigger Digital signal to set the display to the Turkish Language
Arabic	D	Trigger Digital signal to set the display to the Arabic Language
Japanese	D	Trigger Digital signal to set the display to the Japanese Language
Ukraine	D	Trigger Digital signal to set the display to the Ukrainian Language
Enable_IR	D	Trigger Digital signal to enable IR through serial controls.
Disable_IR	D	Trigger Digital signal to Disable IR through serial controls.
Remote_volume_+	D	Trigger Digital signal to emulate IR signal of Volume up
Remote_Volume_-	D	Trigger Digital signal to emulate IR signal of Volume down
Remote_up	D	Trigger Digital signal to emulate IR signal of Up press
Remote_down	D	Trigger Digital signal to emulate IR signal of down press
Remote_left	D	Trigger Digital signal to emulate IR signal of left press
Remote_right	D	Trigger Digital signal to emulate IR signal of right press
Remote_ok	D	Trigger Digital signal to emulate IR signal of ok press
Remote_menu_key	D	Trigger Digital signal to emulate IR signal of menu key press
Remote_input_source	D	Trigger Digital signal to emulate IR signal of input source switch press
Remote_exit	D	Trigger Digital signal to emulate IR signal of Exit press
Remote_blank	D	Trigger Digital signal to emulate IR signal of blank press
Remote_freeze	D	Trigger Digital signal to emulate IR signal of freeze press
Poll	D	Oscillate to Poll device so module reflects changes made at display and not in control system.

FEEDBACK		
TX$	S	Connect to devices connection symbol to send commands to the device
Power_On_fb	D	Digital feedback. When signal is high device is reporting as on.
Power_Off_fb	D	Digital feedback. When signal is high device is reporting as off.
Turning_On_fb	D	Digital feedback. When signal is high device is in the process of powering on.
Turning_Off_fb	D	Digital feedback. When signal is high device is in the process of powering off.
Backlight_On_fb	D	Digital feedback. When signal is high device is reporting Backlight is on.
Backlight_Off_fb	D	Digital feedback. When signal is high device is reporting Backlight is off.
Backlight_level_fb	A	Analog feedback Reports Backlight level. Analog value goes from 0-100d.
Volume_level_fb	A	Analog Feedback Reports Volume level. Analog value goes from 0-100d.
Mute_on_fb	D	Digital feedback. When Signal is high device is reporting that the volume is muted
Mute_off_fb	D	Digital feedback. When signal is high device is reporting that the volume is not muted.
Treble_level_fb	A	Analog feedback Reports Treble level. Analog value goes from 0-100d.
Bass_level_fb	A	Analog feedback Reports Bass level. Analog value goes from 0-100d.
Balance_level_fb	A	Analog feedback Reports Balance level. Analog value goes from 0-100d.
Movie_sound_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Movie sound mode.
Standard_sound_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Standard sound mode.
Custom_sound_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Custom sound mode.
Classroom_sound_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Classroom sound mode.
Meeting_sound_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Meeting sound mode.
Standard_picture_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Standard Picture Mode.

Bright_picture_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Bright Picture Mode.
Soft_picture_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Soft Picture Mode.
Custom_picture_mode_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Custom Picture Mode.
Cool_color_temp_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Cool Color temp
Standard_color_temp_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Standard color temp
Warm_color_temp_fb	D	Digital feedback. When signal is high device is reporting that the device is set to Warm color temp
Contrast_level_fb	A	Analog feedback Reports Contrast level. Analog value goes from 0-100d.
Brightness_level_fb	A	Analog feedback Reports Brightness level. Analog value goes from 0-100d.
Sharpness_level_fb	A	Analog feedback Reports Sharpness level. Analog value goes from 0-100d.
Hue_level_fb	A	Analog feedback Reports Hue level. Analog value goes from 0-100d.
Aspect_Ratio_16_9_fb	D	Digital feedback. When signal is high device is reporting that the device is set to 16:9 Aspect ratio.
Aspect_Ratio_4_3_fb	D	Digital feedback. When signal is high device is reporting that the device is set to 4:3 Aspect ratio.
Aspect_Ratio_PTP_fb	D	Digital feedback. When signal is high device is reporting that the device is set to PTP Aspect ratio.
HDMI_1_fb	D	Digital feedback. When signal is high device is reporting that the device is on the HDMI 1 source.
HDMI_2_fb	D	Digital feedback. When signal is high device is reporting that the device is on the HDMI 2 source.
HDMI_3_fb	D	Digital feedback. When signal is high device is reporting that the device is on the HDMI 3 source.
HDMI_4_fb	D	Digital feedback. When signal is high device is reporting that the device is on the HDMI 4 source.
DisplayPort_fb	D	Digital feedback. When signal is high device is reporting that the device is on the DisplayPort source.
VGA_1_fb	D	Digital feedback. When signal is high device is reporting that the device is on the VGA 1 source.
VGA_2_fb	D	Digital feedback. When signal is high device is reporting that the device is on the VGA 2 source.
VGA_3_fb	D	Digital feedback. When signal is high device is reporting that the device is on the VGA 3 source.

TV_fb	D	Digital feedback. When signal is high device is reporting that the device is on the TV source.
CVBS/AV_fb	D	Digital feedback. When signal is high device is reporting that the device is on the CVBS/AV source.
Android_fb	D	Digital feedback. When signal is high device is reporting that the device is on the Android source.
Android+_fb	D	Digital feedback. When signal is high device is reporting that the device is on the Android+ source.
Slot_in_PC_fb	D	Digital feedback. When signal is high device is reporting that the device is on the Slot in PC source.
Source_C1_fb	D	Digital feedback. When signal is high device is reporting that the device is on the C1 source.
Source_C2_fb	D	Digital feedback. When signal is high device is reporting that the device is on the C2 source.
English_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the English Language.
Francais_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the French Language.
Espanol_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Spanish Language.
Chinese(Traditional)_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Traditional Chinese Language.
Chinese_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Chinese Language.
Portugues_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Portuguese Language.
German_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the German Language.
Dutch_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Dutch Language.
Polish_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Polish Language.
Russia_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Russian Language.
Czech_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Czech Language.
Danish_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Danish Language.
Swedish_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Swedish Language.
Italian_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Italian Language.

Romanian_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Romanian Language.
Norwegian_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Norwegian Language.
Finnish_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Finnish Language.
Greek_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Greek Language.
Turkish_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Turkish Language.
Arabic_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Arabic Language.
Japanse_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Japanese Language.
Ukraine_fb	D	Digital feedback. When signal is high device is reporting that the device is set to the Ukrainian Language.
Enable_IR_fb	D	Digital feedback. When signal is high device is reporting that the IR Emulation is enabled.
Disable_IR_fb	D	Digital feedback. When signal is high device is reporting that the IR Emulation is Disabled.
Poll_active	D	Digital feedback. When signal is high device is reporting that the system is being Polled for its status.