

HHB: CDR-882

This macro controls a HHB CDR-882 over RS232.



GENERAL INFORMATION	
SIMPLWINDOWS NAME:	"Cdr-882.umc"
CATEGORY:	Transport Deck
VERSION:	V. 1.0
SUMMARY:	This macro controls a HHB CDR-882 over RS232.
GENERAL NOTES:	This macro handles the communication between a smpl windows program and the serial port to control a HHB CDR-882. The HHB CDR-882 uses the RS232 protocol to communicate.
CRESTRON HARDWARE REQUIRED:	2 series processor.
SETUP OF CRESTRON HARDWARE:	The demo program was written for a PRO2 with TPS-15.
VENDOR FIRMWARE:	2.02 04/11/2008
VENDOR SETUP:	HHB CDR-882 connected through the serial port
CABLE DIAGRAM:	RS-232 cross cable

CONTROL:		
Rx	S	Is to be connected with the Rx signal of the serial port.
Play/Pause	D	Pulse to activate the Play/Pause function.
FREW	D	Pulse to activate the FREW function.
FFWD	D	Pulse to activate the FFWD function.
Record	D	Pulse to activate the Record function.
Prev_Track	D	Pulse to activate the Previous Track function.



Next_Track	D	Pulse to activate the Next Track function.
Select_Drive_1	D	Pulse to select Drive 1.
Select_Drive_2	D	Pulse to select Drive 2.
Eject_Drive_1	D	Pulse to open Drive 1.
Eject_Drive_2	D	Pulse to open Drive 2.
Mark	D	Pulse to execute the mark function.
Cue	D	Pulse to activate the Cue function.
Fader	D	Pulse to activate the fader function.
Finalize_Disc_1	D	Pulse to finalize disc 1.
Finalize_Disc_2	D	Pulse to finalize disc 2.
Monitor	D	Pulse to toggle the monitor function.
I/P_Select_A_Unbalanced	D	Pulse to select the analogue unbalanced Input source.
I/P_Select_A_Balanced	D	Pulse to select the analogue balanced Input source.
I/P_Select_D_AES/EBU	D	Pulse to select the digital AES/EBU Input source.
I/P_Select_D_S/PDIF_Co_Axial	D	Pulse to select the digital coax Input source.
I/P_Select_D_S/PDIF_Optical	D	Pulse to select the digital Optical Input source.
Record_On	D	Pulse to activate the Record on function.
Sync_Record	D	Pulse to activate the Sync Record function.
Disc_Copy	D	Pulse to activate the Disc Copy function.
Elapsed_Time	D	Pulse to toggle the Elapsed Time function.
ID_Write	D	Pulse to activate the ID Write function.



Erase_Init_Disc	D	Pulse to activate the Erase function with the Initialize option.
Erase_Disc	D	Pulse to activate the Erase function.
Erase_Unfinalize	D	Pulse to activate the Erase function with the Unfinalize option.
Erase_Last_Track	D	Pulse to erase the last track.
Burn_Single	D	Pulse to activate single mode.
Burn_Dualburn	D	Pulse to activate Dualburn mode.
Burn_DiscSpan	D	Pulse to activate Discspan mode.
AutoCue	D	Pulse to activate the AutoCue function.
AutoPause	D	Pulse to activate the AutoPause function.
No_Auto_Cue/Pause	D	Pulse to activate the manual cue and pause function.
Output_Mix_CD1	D	Pulse to configure the output to priority CD1 mode.
Output_Mix_CD2	D	Pulse to configure the output to priority CD2 mode.
Output_Mix_CD_1+2	D	Pulse to configure the output to priority CD1 +CD2 mode.
Output_Mix_CD_1+2-6db	D	Pulse to configure the output to priority CD1 +CD2 with -6DB mode.
Program_Play	D	Pulse to activate the Play Program function.
Program_Copy	D	Pulse to activate the Copy Program function.
Get_Status_Info	D	Pulse to retrieve the device status info.
Get_Disc_Info	D	Pulse to retrieve Disc info.

FEEDBACK:

Tx	S	Is to be connected with the Tx signal of the rs232 port.
FB_Single_Mode	D	Goes high when single mode is selected.



FB_DiscSpan_Mode	D	Goes high when DiscSpan mode is selected.
FB_DualBurn_Mode	D	Goes high when DualBurn mode is selected.
FB_AutoCue/Pause_Off	D	Goes high when manual cue and pause mode is selected.
FB_AutoPause	D	Goes high when AutoPause mode is selected.
FB_AutoCue	D	Goes high when AutoCue mode is selected.
FB_Program_Mode	D	Goes high when Program mode mode is selected.
FB_Monitor	D	Goes high when the monitor function is selected.
FB_Analogue_Balanced	D	Goes high when the analogue balanced input source is selected.
FB_Analogue_Unbalanced	D	Goes high when the analogue unbalanced input source is selected.
FB_Digital_Aes/Ebu	D	Goes high when the digital Aes/Ebu input source is selected.
FB_Digital_Coax	D	Goes high when the digital coax input source is selected.
DB_Digital_Optical	D	Goes high when the digital optical input source is selected.
FB_Drive_Select	D	Goes high when drive 2 is selected and is low when drive 1 is selected.
FB_Disc_1_Type_CD	D	Goes high when the disc in drive 1 is of the type CD.
FB_Disc_1_Type_CD-R	D	Goes high when the disc in drive 1 is of the type CD-R.
FB_Disc_1_Type_CD-RW	D	Goes high when the disc in drive 1 is of the type CD-RW.
FB_Disc_1_Type_Unknown	D	Goes high when the disc in drive 1 is of an unknown type.
FB_Disc_1_Finalized	D	Goes high when the disc in drive 1 is finalized.
FB_Disc_1_Status	D	Goes high when there is a disc in drive 1.
FB_Disc_2_Type_CD	D	Goes high when the disc in drive 2 is of the type CD.
FB_Disc_2_Type_CD-R	D	Goes high when the disc in drive 2 is of the type CD-R.



FB_Disc2_Type_CD-RW	D	Goes high when the disc in drive 2 is of the type CD-RW.
FB_Disc2_Type_Unknown	D	Goes high when the disc in drive 2 is of an unknown type.
FB_Disc2_Finalized	D	Goes high when the disc in drive 2 is finalized.
FB_Disc2_Status	D	Goes high when there is a disc in drive 2.
FB_Disc1_Stop	D	Goes high when the transport state of disc 1 is stop.
FB_Disc1_Play	D	Goes high when the play function of disc 1 is activated.
FB_Disc1_Pause	D	Goes high when the pause function of disc 1 is activated.
FB_Disc1_FFWD_Pause	D	Goes high when the FFWD Pause function of disc 1 is activated.
FB_Disc1_FREW_Pause	D	Goes high when the FREW Pause function of disc 1 is activated.
FB_Disc1_Rec_Armed	D	Goes high when the Record armed function of disc 1 is activated.
FB_Disc1_Record	D	Goes high when the record function of disc 1 is activated.
FB_Disc1_FFWD_Play	D	Goes high when the FFWD Play function of disc 1 is activated.
FB_Disc1_FREW_Play	D	Goes high when the FREW Play function of disc 1 is activated.
FB_Disc1_Next	D	Goes high when the Next track function of disc 1 is activated.
FB_Disc1_Previous	D	Goes high when the previous track function of disc 1 is activated.
FB_Disc2_Stop	D	Goes high when the transport state of disc 2 is stop.
FB_Disc2_Play	D	Goes high when the play function of disc 1 is activated.
FB_Disc2_Pause	D	Goes high when the pause function of disc 2 is activated.
FB_Disc2_FFWD_Pause	D	Goes high when the FFWD Pause function of disc 2 is activated.
FB_Disc2_FREW_Pause	D	Goes high when the FREW Pause function of disc 2 is activated.
FB_Disc2_Rec_Armed	D	Goes high when the Record armed function of disc 2 is activated.



FB_Disc2_Record	D	Goes high when the record function of disc 2 is activated.
FB_Disc2_FFWD_Play	D	Goes high when the FFWD Play function of disc 2 is activated.
FB_Disc2_FREW_Play	D	Goes high when the FREW Play function of disc 2 is activated.
FB_Disc2_Next	D	Goes high when the Next track function of disc 2 is activated.
FB_Disc2_Previous	D	Goes high when the previous track function of disc 2 is activated.
Disc_1_Track	A	Outputs the track number of the selected track on disc 1.
Disc_2_Track	A	Outputs the track number of the selected track on disc 2.

TESTING:

OPS USED FOR TESTING:	4.001.0777 (Aug 08 2008)
COMPILER USED FOR TESTING:	2.10
SAMPLE PROGRAM:	Demo Program.smw
REVISION HISTORY:	V. 1.0