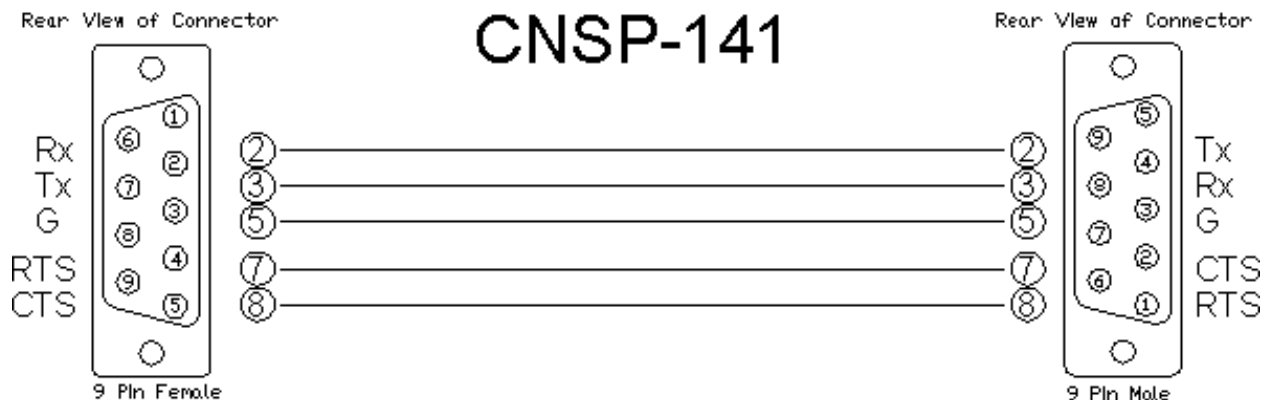


**Partner: Danish Interpretation Systems**  
**Model: CU6005**  
**Device Type: Miscellaneous Processor**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Danish Interpretation Systems CU6005 v1.0
<b>CATEGORY:</b>	Generic audio
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Controls all standard functions and provides true feedback
<b>GENERAL NOTES:</b>	This module will control most of the standard functions of the Danish Interpretation Systems CU6005 Digital Conferencing System. Functions provided include microphone activity, request, operation modes, voting modes, speaker volume and line out volume. The CU6005 processor must be enabled, by licensing, for the voting control to function. Check the CU6005's front panel menu structure for this feature. This module will provide control support for up to 100 microphones. The desired microphone is selected by setting a decimal value on the "Mic_Number" analog input. Valid range is 1d to 100d. Rather than using an Analog Init symbol, that can be cumbersome for 100 mics, a Numeric keypad can be used for quick access to control the desired microphone. Module is 2-series only.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, CNX-COM6, CNX-COM2, C2-COM2/3
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 115,200 Parity: N Data Bits: 8 Stop Bits: 1 Handshaking: RTS/CTS
<b>VENDOR FIRMWARE:</b>	V6.1.5
<b>VENDOR SETUP:</b>	N/A
<b>CABLE DIAGRAM:</b>	CNSP-141



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**CONTROL:**

<b>Operation_Mode_Auto</b>	D	Pulse to select Operation Mode Auto.
<b>Operation_Mode_Manual</b>	D	Pulse to select Operation Mode Manual.
<b>Operation_Mode_FIFO</b>	D	Pulse to select Operation Mode FIFO.
<b>Operation_Mode_VOX</b>	D	Pulse to select Operation Mode VOX.
<b>Delegate_Mics_Mute</b>	D	Pulse to select muting of all delegate microphones.
<b>Clear_All_Requests</b>	D	Pulse to clear all delegate microphone requests.
<b>Delegate_Mics_Activate_Off</b>	D	Pulse to deactivate all delegate microphones.
<b>Mic_Number</b>	A	Decimal representation of current microphone number to control. Valid range is 1d to 100d.
<b>Mic_Activate</b>	D	Pulse to activate current microphone.
<b>Mic_Request</b>	D	Pulse to enable request for current microphone.
<b>Voting</b>	D	Pulse to enable voting.
<b>Voting_Request_Details</b>	D	Pulse to request current voting details.
<b>Voting_Type_3Button</b>	D	Pulse to select 3 button voting.
<b>Voting_Type_5Button</b>	D	Pulse to select 5 button voting.
<b>Voting_Type_Secret</b>	D	Pulse to select secret voting.
<b>Speaker_Volume_Up/Down</b>	D	Press and hold to increment/decrement speaker volume.
<b>Line_Out_Volume_Up/Down</b>	D	Press and hold to increment/decrement line out volume.
<b>Max_Speakers_Up/Down</b>	D	Pulse to increment/decrement max number of allowed speakers
<b>From_Device</b>	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

<b>Operation_Mode_Auto_Is_Selected</b>	D	High to indicate the current operation mode is auto.
<b>Operation_Manual_Manual_Is_Selected</b>	D	High to indicate the current operation mode is manual.
<b>Operation_Manual_FIFO_Is_Selected</b>	S	High to indicate the current operation mode is FIFO.
<b>Operation_Manual_VOX_Is_Selected</b>	A	High to indicate the current operation mode is VOX.
<b>Delegate_Mics_Mute_IS_Selected</b>	D	High to indicate the delegate microphones are muted.
<b>Delegate_Mics_Activate_Off_IS_Selected</b>	D	High to indicate delegate microphone active is off.
<b>Mic_Activate_Is_Selected</b>	D	High to indicate currently selected microphone is active.
<b>Mic_Request_Is_Selected</b>	D	High to indicate currently selected microphone is in the request que.
<b>Voting_Is_Opened</b>	D	High to indicate voting mode is enabled.
<b>Voting_Mode_3Button_Is_Selected</b>	D	High to indicate the current voting mode is 3 button.
<b>Voting_Mode_5Button_Is_Selected</b>	D	High to indicate the current voting mode is 5 button.
<b>Voting_Mode_Secret_Is_Selected</b>	D	High to indicate the current voting mode is secret.
<b>Speaker_Volume_Gauge</b>	A	Analog value of speaker volume level to be sent to a touch panel gauge.
<b>Line_Out_Volume_Gauge</b>	A	Analog value of line out volume level to be sent to a touch panel gauge.
<b>Vote_Yes_Analog</b>	A	Decimal value of total yes votes to be sent to a touch panel digital gauge.
<b>Vote_Abstain_Analog</b>	A	Decimal value of total abstain votes to be sent to a touch panel digital gauge.
<b>Vote_No_Analog</b>	A	Decimal value of total no votes to be sent to a touch panel digital gauge.
<b>Vote_Attendance_Analog</b>	A	Decimal value of total attendance to be sent to a touch panel digital gauge.
<b>Max_Speakers_Analog</b>	A	Decimal value of max allowed speakers. Range is 1d to 8d.
<b>Device_Is_Online</b>	D	High to indicate Module is connected to the CU6005 Processor.
<b>To_Device</b>	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO2 Cntrl Eng {v4.001.006}
<b>SIMPL WINDOWS USED FOR TESTING:</b>	V. 2.10.32
<b>CRES DB USED FOR TESTING:</b>	V. 20.03.008
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	V.584
<b>SAMPLE PROGRAM:</b>	Danish Interpretation Systems CU6005 v1.0 Demo PRO2.smw
<b>REVISION HISTORY:</b>	V. 1.0