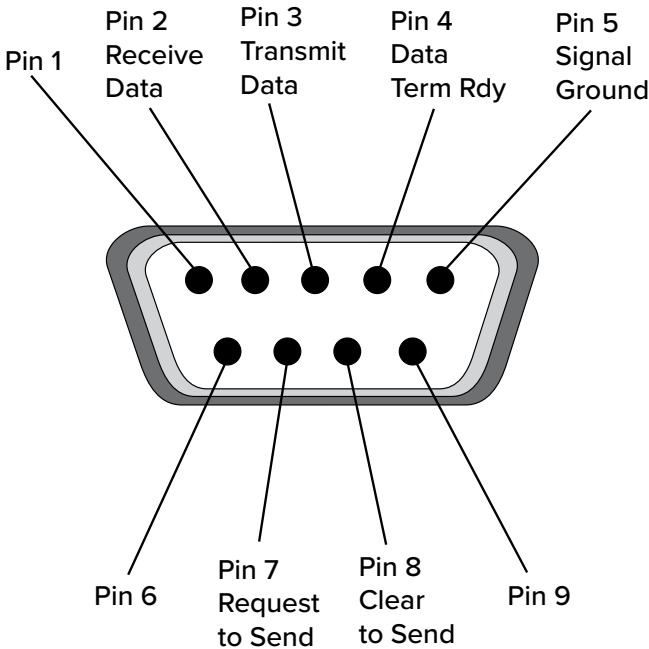


# Convey

PROGRAMMER'S GUIDE



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This document is intended as guidance for sending third-party control commands, and may need to be adjusted to fit your specific system setup.

For example, commands may need to be in HEX rather than ASCII characters. For some Crestron panels, the escape command is sent in HEX as "\x1B".

It is always recommended to test commands through a terminal program such as PuTTY prior to sending them from the third-party control system. Using a terminal program to send any commands as given in this guide will prove that the command protocol works, and what feedback the commands return. Then the third-party control system protocol can be modified accordingly.

For example, Crestron SIMPL modules will add their own header information to the command. This may need to be altered or even removed entirely in order for the command to work properly.

## Overview

A Convey system can be sent commands via the programmable remote control system over the RS-232 port.

**NOTE:** Factory settings are 9600 baud, no parity, 1 stop bit. Data bits, which cannot be manually set, are 8 data bits.

**Note:** The RS-232 commands listed here are a complete list for all products, but not all features are available in every product.

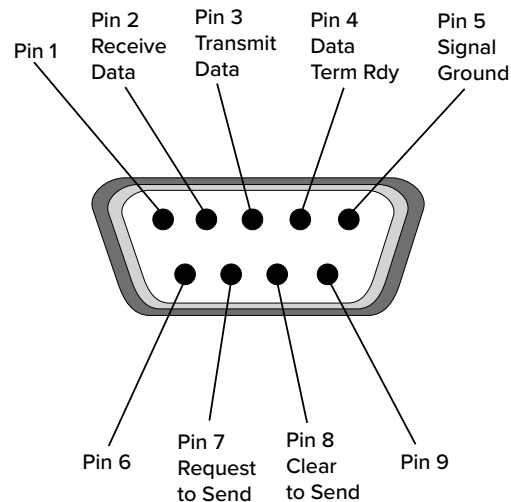
### Port Selection

For physical connections, Port 2 is the default port used for remote control. Port 1 can be selected via the main menu system under the Serial Port menu. See the full user manual for details on switching the remote control port.

For connections via the IP address, use port 8023. For example, 127.0.0.1:8023.

**Note:** Port 23 is not available for telnet use on this device.

### RS-232 (COMM Port) Pinout



**RS-232 COMM Port Pinout**

### Understanding Commands

All commands begin with an ASCII escape (<ESC>) code (generated using the ESC key on your keyboard), followed by the forward parenthesis " ( ". The initiating code then appears as follows:

<ESC>(

All other characters which follow this command require a combination of alphanumeric codes.

**NOTE:** Hardware handshaking is required with the RS-232 port. You will need to use a null modem cable. Some places in the manual refer to entering a carriage return. This is usually accomplished by hitting the Enter key on your keyboard.

Ø is used to designate zero in this manual.

## Control Commands

Command Description	Options
<b>All commands must start with &lt;ESC&gt;{</b>	
Toggle the Main Menu	Show: SUM Hide: SUN
Echo all input	EA
Echo all except commands	EC
Disable echo	EN
Echo "OK" on command "OK <cr> <lf>"	EO
Disable echo "OK"	EZ
Automatically turn off server when idle for [selected option], The options represent minutes.	Ø min: TRATØ 5 min: TRAT1 1Ø min: TRAT2 15 min: TRAT3
Maximum lines for real time caption display	1 line: TRAMLØ 2 lines: TRAML1 3 lines: TRAML2
Speaker Text	ON: TRADØ OFF: TRAD1
Translator Text	ON: TRAXØ OFF: TRAX1
Speaker Text Position	Top: TRADPØ Bottom: TRADP1
Translator text position	Top: TRAPØ Bottom: TRAP1
Text alignment	Left: TRAAØ Center: TRAA1 Right: TRAA2

Command Description	Options
<b>All commands must start with &lt;ESC&gt;(</b>	
Text background transparency	Transparent: TRAF A0 Translucent: TRAF A1 Opaque: TRAF A3
Text background color	Black: TRAF B0 White: TRAF B1 Blue: TRAF B2
Text speed	Steady: TRAX S0 Normal: TRAX S1 Fast: TRAX S2
Profanity filter	On: TRAP F0 Off: TRAP F1
Font size	24: TRAF S0 32: TRAF S1 40: TRAF S2
Font color	white: TRAF F0 black: TRAF F1 yellow: TRAF F2
Video Source	HDMI: MH01 USB CAMERA: MH02 TEXT ONLY: MS
Stop running translate server	TRAS0
Start running translate server	TRAS1
Speaker language	See Speaker language list Example: TRAL### (### = Language Code)
Translator language	See Translator language list Example: TRALO### (### = Language Code)
HDMI AUDIO passthrough	On: TRAH0 Off: TRAH1
Court Archiving clock Display	On: TRAC0 Off: TRAC1
Reset	RS
Toggle Video File Capture	VIRT

Command Description	Options
<b>All commands must start with &lt;ESC&gt;{</b>	
Calibrate Touch Screen	CDT
Update via USB	SUPU

## Language Selection Table

All of the languages below can be used for input language, but may not be available for an output language. Please check the device's list of Translator Languages to make sure the language you desire is available for translation. New languages may be available in the latest version of firmware.

### Set Speaker Language

Each speaker language code must be preceded by **TRALI** followed by three digits. For example TRALI031 for Croatian

Language TRALI###	Language TRALI###
Afrikaans (South Africa) 000	English (Tanzania) 049
Albanian (Albania) 001	English (United Kingdom) 050
Amharic (Ethiopia) 002	English (United States) 051
Arabic (Algeria) 003	Estonian (Estonia) 052
Arabic (Bahrain) 004	Filipino (Philippines) 053
Arabic (Egypt) 005	Finnish (Finland) 054
Arabic (Iraq) 006	French (Belgium) 055
Arabic (Israel) 007	French (Canada) 056
Arabic (Jordan) 008	French (France) 057
Arabic (Kuwait) 009	French (Switzerland) 058
Arabic (Lebanon) 010	Galician (Spain) 059
Arabic (Morocco) 011	Georgian (Georgia) 060
Arabic (Oman) 012	German (Austria) 061
Arabic (Qatar) 013	German (Germany) 062
Arabic (Saudi Arabia) 014	German (Switzerland) 063
Arabic (State of Palestine) 015	Greek (Greece) 064
Arabic (Tunisia) 016	Gujarati (India) 065
Arabic (United Arab Emirates) 017	Hebrew (Israel) 066
Arabic (Yemen) 018	Hindi (India) 067
Armenian (Armenia) 019	Hungarian (Hungary) 068
Azerbaijani (Azerbaijan) 020	Icelandic (Iceland) 069
Basque (Spain) 021	Indonesian (Indonesia) 070
Bengali (Bangladesh) 022	Italian (Italy) 071
Bengali (India) 023	Italian (Switzerland) 072
Bosnian (Bosnia and Herzegovina) 024	Japanese (Japan) 073
Bulgarian (Bulgaria) 025	Javanese (Indonesia) 074
Burmese (Myanmar) 026	Kannada (India) 075
Catalan (Spain) 027	Kazakh (Kazakhstan) 076
Chinese, Cantonese (Traditional) 028	Khmer (Cambodia) 077
Hong Kong) 028	Korean (South Korea) 078
Chinese, Mandarin (Simplified, China) 029	Lao (Laos) 079
Chinese, Mandarin (Traditional, Taiwan) 030	Latvian (Latvia) 080
Croatian (Croatia) 031	Lithuanian (Lithuania) 081
Czech (Czech Republic) 032	Macedonian (North Macedonia) 082
Danish (Denmark) 033	Malay (Malaysia) 083
Dutch (Belgium) 034	Malayalam (India) 084
Dutch (Netherlands) 035	Marathi (India) 085
English (Australia) 036	Mongolian (Mongolia) 086
English (Canada) 037	Nepali (Nepal) 087
English (Ghana) 038	Norwegian Bokm 088
English (Hong Kong) 039	Persian (Iran) 089
English (India) 040	Polish (Poland) 090
English (Ireland) 041	Portuguese (Brazil) 091
English (Kenya) 042	Portuguese (Portugal) 092
English (New Zealand) 043	Punjabi (Gurmukhi India) 093
English (Nigeria) 044	Romanian (Romania) 094
English (Pakistan) 045	Russian (Russia) 095
English (Philippines) 046	Serbian (Serbia) 096
English (Singapore) 047	Sinhala (Sri Lanka) 097
English (South Africa) 048	Slovak (Slovakia) 098
	Slovenian (Slovenia) 099
	Spanish (Argentina) 100

Language	TRALI###	Language	TRALI###
Spanish (Bolivia)	101	Swahili (Kenya)	121
Spanish (Chile)	102	Swahili (Tanzania)	122
Spanish (Colombia)	103	Swedish (Sweden)	123
Spanish (Costa Rica)	104	Tamil (India)	124
Spanish (Dominican Republic)	105	Tamil (Malaysia)	125
Spanish (Ecuador)	106	Tamil (Singapore)	126
Spanish (El Salvador)	107	Tamil (Sri Lanka)	127
Spanish (Guatemala)	108	Telugu (India)	128
Spanish (Honduras)	109	Thai (Thailand)	129
Spanish (Mexico)	110	Turkish (Turkey)	130
Spanish (Nicaragua)	111	Ukrainian (Ukraine)	131
Spanish (Panama)	112	Urdu (India)	132
Spanish (Paraguay)	113	Urdu (Pakistan)	133
Spanish (Peru)	114	Uzbek (Uzbekistan)	134
Spanish (Puerto Rico)	115	Vietnamese (Vietnam)	135
Spanish (Spain)	116	Zulu (South Africa)	136
Spanish (United States)	117		
Spanish (Uruguay)	118		
Spanish (Venezuela)	119		
Sundanese (Indonesia)	120		

## Set Translator Language

Each translator language code must be preceded by **TRALO** followed by three digits. For example TRALO016 for Croatian.

Translate Language	TRALO###	Translate Language	TRALO###	Translate Language	TRALO###
Afrikaans	000	Italian	042	Slovak	083
Albanian	001	Japanese	043	Slovenian	084
Amharic	002	Javanese	044	Somali	085
Arabic	003	Kannada	045	Spanish	086
Armenian	004	Kazakh	046	Sundanese	087
Azerbaijani	005	Khmer	047	Swahili	088
Basque	006	Kinyarwanda	048	Swedish	089
Belarusian	007	Korean	049	Tagalog (Filipino)	090
Bengali	008	Kurdish	050	Tajik	091
Bosnian	009	Kyrgyz	051	Tamil	092
Bulgarian	010	Lao	052	Tatar	093
Catalan	011	Latvian	053	Telugu	094
Cebuano	012	Lithuanian	054	Thai	095
Chinese (Simplified)	013	Luxembourgish	055	Turkish	096
Chinese (Traditional)	014	Macedonian	056	Turkmen	097
Corsican	015	Malagasy	057	Ukrainian	098
Croatian	016	Malay	058	Urdu	099
Czech	017	Malayalam	059	Uyghur	100
Danish	018	Maltese	060	Uzbek	101
Dutch	019	Maori	061	Vietnamese	102
English	020	Marathi	062	Welsh	103
Esperanto	021	Mongolian	063	Xhosa	104
Estonian	022	Myanmar (Burmese)	064	Yiddish	105
Finnish	023	Nepali	065	Yoruba	106
French	024	Norwegian	066	Zulu	107
Frisian	025	Nyanja (Chichewa)	067		
Galician	026	Odia (Oriya)	068		
Georgian	027	Pashto	069		
German	028	Persian	070		
Greek	029	Polish	071		
Gujarati	030	Portuguese (Portugal, Brazil)	072		
Haitian Creole	031	Punjabi	073		
Hausa	032	Romanian	074		
Hawaiian	033	Russian	075		
Hebrew	034	Samoan	076		
Hindi	035	Scots Gaelic	077		
Hmong	036	Serbian	078		
Hungarian	037	Sesotho	079		
Icelandic	038	Shona	080		
Igbo	039	Sindhi	081		
Indonesian	040	Sinhala (Sinhalese)	082		
Irish	041				

**WILLIAMS AV**  
info@williamsav.com / www.williamsav.com  
800-843-3544 / INTL: +1-952-943-2252