T-NETWORK

API Documentation

Version: T-NETWORK API 2024V1.0

API Definitions

TCP/IP Control

T-Network devices can be controlled using TCP/IP over a network connection.

Command ending symbol <CR>
Feedback ending with symbols <CR><LF>
Delimiter symbol “!”
Sending multiple chained commands using delimiter ";" (coming soon)
Please type the command carefully due to case sensitivity

Description	Protocol	Network Port/Range
TCP/IP control	TCP	4001
SSH Control	TCP	4005
TCP/IP to RS232 Tunneling	TCP	4002
TCP/IP to RS232 Tunneling (SSH)	TCP	4003

Implemented
Not implemented yet

TNET-ENC-H101-DA

Command System Setting	Argument	Description	Response
getstatus		Query device all information	enc! TNET-ENC-H101-DA temperature,40! sethostname,testhostname! mac,00:B0:D0:63:C2:24! setdevicename,Encoder Podium! firmware, V1.0.0! sn,670-05002 encstream,on! setstreammode,0! custommulticastaddress,off! setmulticastaddress,225.0.0.1! multicastaddress,225.0.0.2! danteava,off! setstream,3012! videomute,off! hdcphdmi,on! hdcphdmiversion,2.2! in,link:n! setcolorspace,0! inputres,3840x2160! streampreview,on! previewurl, http://192.168.0.200/stream! setpreviewres,0! setpreviewfps,0! seta,3! setaauto,on! setanalogmode,1! setanalogtype,1! livol,1:50! lovol,50! mute,1! unmute,2! mute,3! setanalog,3! setanalogdelay,10ms! hdcpadvertising,1:on! danteaudio,off! dantetx1 signal on! dantetx2 signal on! dantemute,off! dantelock:lock! oledkeep,on! oledlinechange,1! nosourceimage,on! playlist,on! autostatus,on! setautostatusip,192.168.0.50! setautostatusport,50000! setautostatusinter,60! fan,on! fanspeed,0! usbhost,on! setser,1,8,2,0! serialpass,on! setserpass,192.168.0.150! irread,on! irpass,on! setirpass,192.168.0.150! setipdhcp! setip,192.168.0.178! setsubnet,255.255.255.0! setgateway,192.168.0.1! setdns1,8.8.8.8! setdns2,8.8.4.4!

			lan2poepass,on! lan2port,on!
reset		Factory reset the device. Keeping IP settings	reset ok
resetfull		Factory reset the device. Including IP	resetfull ok
reboot		Reboot the device.	reboot ok
getfirmware		Query firmware version of the device.	firmware,V1.0.0!
poweron		Power on unit	poweron ok
poweroff		Power off unit	poweroff ok
getpower		Query power on status	poweron!
lan2port,z	z=on/off	Enable or disable LAN2 port compleatly	lan2port,off ok
getlan2port		Query firmware status	lan2port,on!
lan2poepass,z	z=on/off	Enable or disable POE passthrough on LAN 2 port	lan2poepass,on ok
getlan2poepass		Query POE passthrough on LAN 2 status	lan2poepass,on!
lowpower,z	z=on/off	Enable or disble low power mode. Disables all video and audio but unit draws less power and produces less heat and starts up quicker than during full power off.	lowpower,on ok
getlowpowermode		Query lowpower mode status.	lowpower,on!
idbutton		Mimics the pressing of ID button on device front panel	idbutton ok
setdevicename,zz	zz=Device name	Sets the device friendly name	setdevicename,Encoder Podium ok
getdevicename		Query the device current friendly name	setdevicename,Encoder Podium!
setdevicenamesync, x:z	x=1~3 1 = Dante TX CH1 name 2 = Dante TX CH2 name 3 = Host name z=on/off	Setting the device name the Dante TX Ch1/2 or hostname follow the device name. Needs to follow hostname conventions - no special letters or space etc	setdevicenamesync,1:on ok
getdevicenamesync		Query the device name follow setting	setdevicenamesync,1:on! setdevicenamesync,2:on! setdevicenamesync,3:on!
sethostname,zz	zz = xxxxxx (Hostname)	Set encoder custom IP Hostname	sethostname,testhostname ok
gethostname		Query encoder current IP Hostname	sethostname,testhostname!
getmodel		Query device model name	TNET-ENC-C211-DA
getsn		Query device serial number	sn,670-05002
gettype		Query device type encoder or decoder	enc!
oled,z	z = on/off on = always on (default) off = manual 60s display time	Sets oled display always on or manual. Note: when setting to off the display stays o for 30s before turning off.	oled,on ok
getoled		Query oled display mode	oled,on!
setoledperiod,z	1~10s defult 2s	Set oled line changing time when more than 2 selections are displayed.	setoledperiod,1 ok
getoledperiod		Query oled line changing time	setoledperiod,11

gettemp		Query Board Temperature	temperature,40°C!
fplock,z	z = on/off	Turn on or off the front panel lock	fplock,on ok
getfplock		Query device front panel lock status	fplock,off!
clearlog		Clears the log history of the device	clearlog ok
startdebug		Start the debug file logging of the device	startdebug ok
stopdebug		Stop the debug file logging of the device	stopdebug ok
getdebugfile		Starts the filetransfer of the degbug file	getdebugfile ok getdebugfile success
autostatus,z	z=on/off	Enable auto status feature sending out UDP "getstatus" response automatically to a user given ip address, UDP port and interval	autostatus,on ok
getautostatus		Query the Auto Status feature status	autostatus,on!
setautostatusip,zzzzzzz		Set the IP address for the auto status receiver	setautostatusip,192.168.0.50 ok
getautostatusip		Query the auto status receiver IP address	setautostatusip,192.168.0.50!
setautostatusport,zzzzz		Set the UDP for the auto status receiver	setautostatusport,50000 ok
getautostatusport		Query the auto status receiver UDP port	setautostatusport,50000!
setautostatusinter,z	z=1~3600	Set the time interval to send auto status updates in sec	setautostatusinter,60 ok
getautostatusinter		Query the auto status time intervall	setautostatusinter,60!
discovery,z	z=on/off	Enable or disable the automatic sending of nulticast discovery packets	discovery,on ok
getdiscovery		Query discovery packet enable or disable status	discovery,on!
setdiscoveryinter,z	z=1~3600	Set custom discovery interval in sec	setdiscoveryinter,60 ok
getdiscoveryinter		Query the discovery package send interval	setdiscoveryinter,60!
setencryptionmode,x	x= 1 Super Security Mode x= 2 Standard Security Mode (default)	Setting the encryption mode	setencryptionmode,1 ok
getencryptionmode		Query video encryption mode	setencryptionmode,1!
fan,z	z = on/off	Turn on or off the fan	fan,on ok
getfan		Query for the fan status	fan,on!
setfanspeed,z	z = 0~5 0 = Auto 1 = Ultra Low 2 = Low 3 = Medium 4 = High 5 = Super High	Fan speed control	setfanspeed,0 ok
getfanspeed		Query current fan speed	setfanspeed,0!
Stream Setting			
setstream,z	z=0001~9999	Set the encoder T-NET stream number for video,TNET audio. Note: All 4 numbers are required eg. 0015	setstream:0312 ok
getstream		Query the stream number on encoder	setstream,0312!

encstream,z	z = on/off	Enable or disable encoder video and audio streams. Applies both to T-NET and Dante mode	encstream,off ok
getencstream		Query the streaming status of the encoder	encstream,on!
streampreview,z	z=on/off	Disable preview MJPEG substream	streampreview,on ok streampreview,off ok
getstreampreview		Query preview status	streampreview,on! streampreview,off!
getpreviewurl		Query preview url	previewurl, http://192.168.0.200/stream!
setpreviewres,z	0 = 1280x720(default) 1 = 960x540 2 = 640x360	Set preview resolution	setpreviewres,0 ok
getpreviewres		Query preview resolution	setpreviewres,0!
setpreviewfps,z	0 = 15 1 = 20 2 = 25 3 = 30(default)	Set preview fps	setpreviewfps,0 ok
getpreviewfps		Query preview fps	setpreviewfps,0!
setstreammode,z	x=0~1 0 = multicast (default) 1 = unicast	Set the Encoder streaming mode to either Unicast or Multicast.	setstreammode,0 ok
getstreammode		Query encoder current streaming mode	setstreammode,0!
custommulticastaddress,z	z=on/off	Enable or disable custom video multicast address	custommulticastaddress,on ok
getcustommulticastaddress		Query custom video multicast address status	custommulticastaddress,off!
setmulticastaddress,zz	zz = IP address (225.0.0.1~225.255.255.255)	Set the video multicast address	setmulticastaddress,225.0.0.1 ok
getmulticastaddress		Query multicast address when custom multicast address on, feedback user custom address, when custom multicast address off, feedback auto address.	setmulticastaddress,225.0.0.1! multicastaddress,225.0.0.2!
latencymode,z	z=0/1 0 = ULL mode (Ultra Low Latency <2ms, default) 1 = Normal mode (<19ms)	ULL mode (Ultra Low Latency <2ms) Normal mode (<19ms)	latencymode,0 ok
getlatencymode		Query device latency mode	latencymode,0!
multicasttraffic,z	z = on/off	Enable or disable multicast traffic on LAN2 port	multicasttraffic,on ok
getmulticasttraffic		Query LAN2 port multicast traffic status	multicasttraffic,off!
Dante			
danteava,z	z = on/off	Enable or disable Dante AV-A video streaming. Be aware that this disables the default T-NET video stream and video routing. This is now done via Audinate software.	danteava,on ok
getdanteava		Query the device current Dante AV-A mode status.	danteava,off!

danteaudio,z	z = on/off	Enable or disable Dante audio stream. Note: Unit will reboot automatically after command.	danteaudio,on ok
getdanteaudio		Query encoder Dante audio stream status	danteaudio,off!
danteaudiotx,z	z = on/off	Enable or disable Dante 2CH TX	danteaudiotx,:on ok
getdanteaudiotx		Query Dante TX status	danteaudiotx,off!
danteaudiorx,z	z = on/off	Enable or disable Dante 2CH RX	danteaudiorx,on ok
getdanteaudiorx		Query Dante RX status	danteaudiorx,on!
setdantetxch,x:z	x=1~2 1 = channel 1 2 = channel 2 z=xxxx channel name	Set Dante TX channel 1 and 2 custom naming. Note: Naming must follow conventional Domain Name System (DNS) hostname rules	setdantetxch,1:test1 ok setdantetxch,2:test2 ok
getdantetxch		Query Dante TX channel 1 and 2 current naming	setdantetxch,1:test1! setdantetxch,2:test2!
getdanterxch		Query Dante RX channel 1 and 2 current subcribtion naming	danterxch,1:test1! danterxch,2:test2!
dantemute,z	z = on/off	Enable or disable Dante audio mute	dantemute,on ok
getdantemute		Query Dante audio mute status	dantemute,off!
getdantelock		Query the Dante Audio "Dante Lock" status of the encoder	dantelock:unlock! dantelock:lock!
Video Signal Switching			
setcolorspace,z	z=0~2 0 = Auto (default) 1 = RGB 2 = YCbCr444	Set the current input colorspace	setcolorspace,0 ok
getcolorspace		Query colorspace setting status	setcolorspace,0!
hdmiloop,z	z = on/off	Enable or disable the HDMI loopout port	hdmiloop,on ok
gethdmiloop		Query the HDMI loopout port status	hdmiloop,off!
hdmiloopvmute,z	z = on/off	Enable or disable HDMI loopout video mute(black image)	hdmiloopvmute,on ok
gethdmiloopvmute		Query the HDMI loopout port video mute status	hdmiloopvmute,off!
getinputstatus		Query inputs status.	in2 ,link:n!
getinputres		Query input resolution of active source	inputres,3840x2160!
getinputfps		Query input framerate of active source	inputfps,60!
getinputcolor		Query input colorspace	inputcolor,YCbCr!
videomute,z	z = on/off	Encoder transmit black image video stream	videomute,on ok
getvideomute		Query the video mute status	videomute,off!
No Source Image			
nosourceimage,z	z = on/off	Enable or disable no source image	nosourceimage,on ok
getnosourceimage		Query the no source image status	nosourceimage,on!
playlist,z	z = on/off	Enable or disable playlist function	playlist,on ok
getplaylist		Query the playlist status	playlist,on!

setplaylistimage,x,y,z	x=1~5 Image serial number y=image name z=duration time 0~3600s	Setting the playlist image	setplaylistimage,1,test1.jpg,1 ok
getplaylistimage,x	x=1~5 Image serial number	Query the playlist image	setplaylistimage,1,test1.jpg,1!
HDCP Setting			
hdcpadvertising,x:z	x=0~2 0 = All inputs 1 = N/A 2 = HDMI z = on/off	Sets the HDCP compatibility on or off for input "x".	hdcpadvertising,2:on ok
gethdcpadvertising		Query HDCP compatibility	hdcpadvertising,2:off!
gethdcphdmi		Query HDMI input current HDCP status	hdcphdmi,on!
gethdcpversion		Query source HDCP version	hdcphdmiverson,2.2!
EDID Setting			
setedidcopy,x:zz	x = 1~2, 1 = N/A 2 = HDMI zz = xxx.xxx.xxx.xxx (Decoder IP address)	Copy Decoder EDID	edidcopy,1:192.168.0.102 ok
setedid,x:z	x = 1~2 1 = N/A 2 = HDMI zz = 1~9 1 = 1920x1080@60 8bit Stereo 2 = 1920x1080@60 8bit High Definition Audio 3 = 3840x2160@30 Hz 8bit Stereo Audio 4 = 3840x2160@30 Hz Deep Color High Definition Audio 5 = 3840x2160@60 Hz 4:2:0 Deep Color Stereo Audio 6 = 3840x2160@60 Hz Deep Color Stereo Audio	Set HDMI input EDID	setedid,1:1 internal ok

	7 = 3840x2160@60 Hz Deep Color High Definition Audio 8 = 3840x2160@60 Hz Deep Color HDR LPCM 6CH 9 = User Defined		
getedid		Query the edid setting	setedid,2:1 internal!
setuseredid	Dislapys a prompt to send send a edid file.	Upload Local EDID to the unit.	setuseredid ok
getuseredid		Query the user upload EDID	useredid: 00 00 00...
getcurrentedid,x	x = 1~2, 1 = N/A 2 = HDMI	Query current EDID stored on input "x"	currentedid,1: 00 00 00...
Audio Setting			
seta,x	x=0~3 0 = AFV 1 = N/A 2 = HDMI 3 = Analog Audio	Set audio stream source. AFV (Audio Follow Video) use the active video source audio.	seta,3 ok
getseta		Query the encoder selected audio stream source	seta,3!

setaauto,z	z=on/off	Sets encoder input audio auto on/off Auto On: If analog is present(When analog port direction set to input) it has priority, if analog is no present, follow video.	setaauto,on ok
getaauto		Gets encoder input audio auto on/off	setaauto,on!
setanalogmode,z	z=0~1 0 = input 1 = output	Set the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Query encoder analog direction mode	setanalogmode,1!
setanalogtype,z	z=0~1 0 = balanced audio 1 = unbalanced audio	Set the analog audio connection type to balanced or unbalanced.	setanalogtype,0 ok
getanalogtype		Query encoder analog type mode	setanalogtype,1!
livol,x:z	x = 1~3 1 =N/A 2 = HDMI Input Audio 3 = Analog Input audio	Sets the audio source input "x" gain value	livol,1:5 ok
getlivol,x	x = 1~3 1 = N/A 2 = HDMI Input Audio 3 = Analog Input audio	Query the audio source input "x" current gain value	livol,1:20!
lovol,z	Analog audio output volume z = 0~100 Volume value	Set the analog output audio volume	lovol,50 ok
getlovol		Get the analog output audio volume	lovol,50!
livolinc,x:z	x = 1~3 1 = N/A 2 = HDMI Input Audio 3 = Analog Input audio z = 1~100	Input "x" gain increase by "z" steps	livol,1:30 ok
livoldec,x:z	x = 1~3 1 = N/A 2 = HDMI Input Audio 3 = Analog Input audio z = 1~100	Input "x" gain decrease by "z" steps	lovol,1:10 ok
lovolinc,z	z = 1~100	Analog output volume increase by "z" steps	lovol,1:30 ok
lovoldec,z	z = 1~100	Analog output volume decrease by "z" steps	lovol,1:10 ok

mute,z	z = 0~4 0 = All 1 = N/A 2 = HDMI audio input 3 = Analog audio input 4 = Analog audio output	Mutes the specified port	mute,1 ok
unmute,z	z = 0~4 0 = All 1 = N/A 2 = HDMI audio input 3 = Analog audio input 4 = Analog audio output	Unmute the specified port	unmute,2 ok
getmute,z	z = 0~4 0 = All 1 = N/A 2 = HDMI audio input 3 = Analog audio input 4 = Analog audio output	Query mute setting	mute,1! unmute,2! mute,3! mute,4!
setanalog,y	y= 0~4 0 = AFV (Audio Follows Active Video Source) 1 = N/A 2 = HDMI 3 = Dante/AES67 RX	Set the audio source for the analog audio port when set to output direction mode.	setanalog,3 ok
getanalog		Query the analoge audio source when set to output mode	setanalog,3!
setanalogdelay,z	z = 0~170ms	Set the analog audio delay when set to output mode This is only for the analog output delay	setanalogdelay,10ms ok
getanalogdelay		Query the andlog output delay	setanalogdelay,10ms!
USB Setting			
usbhost,z	z = on/off	Enable or disable USB Host ability for encoder	usbhost,on ok
getusbhost		Query encoder USB Host enable/disable status	usbhost,off!
Serial Setting			
irread,z	z = on/off	Enable or disable IR read function	irread,on ok
getirread		Query for the IR read suatus	irread,on!
getirreaddata		Get the IR read data	Ir reading data: xx xx xx xx
setirdelay,x		Setting the IR command delay	setirdelay,0 ok
getirdelay		Query the IR command delay	setirdelay,0!
setirrepeattime,x	x = 1~2	Setting the IR repeat time	setirrepeattime,1 ok

getirrepeattime		Query the IR repeat time	setirrepeattime,1!
setirrepeatdelay,x	x = 1~3600	Setting the IR repeat delay	setirrepeatdelay,100 ok
getirrepeatdelay		Query the IR repeat delay	setirrepeatdelay,100!
setir,x:zz	x = 1~40 zz=00 00 00... IR data	Setting the IR commands	setir,1:00 00 00 ok
getir,x	x = 0~40 0 = All IR command, 1~40 IR command	Query the IR command	
setser,x:y,z,a	x = 1~7 (baudrate) 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200 y = 5~8 (databit) z = 0~4 (parity) 0 = Even 1 = Mark 2 = None 3 = Odd 4 = Space a = 1-2 (stop bits) 1 = 1 2 = 2	Set serial communication port baudrate, databit,parity and stop bits.	setser,1:8,2,0 ok
getser		Query the serial port setting	setser,1,8,2,0!
setrsercustom,x,y:z	x=1~5 user defined commands No. y=name z=command data	Setting the serial custom command	setrsercustom,1,user defined:test123 ok

getsercustom,x	x=1~5 user defined commands No.	Query the serial custom command	setsercustom,1,user defined:test123!
setserformat,x:y	x = ascii/hex y = 0~3 0 = NULL 1 = CR 2 = LF 3 = CR+LF	Setting the aerial custom command format	setserformat,ascii:0 ok
getserformat		Query the custom serial command format	setserformat,ascii:0!
sendser,zz	zz=test123 Serial command	Send serial command on units serial port using configurated port settings and format setings.	sendser,test123 ok
setbaudrate,z	z=1~7 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200	Set RS232 communication port baudrate.	setbaudrate,1 ok
getir,x,z	x = 0 ~40 0 = All IR command, 1 = 40 = IR command z=00 00 00... IR data	Query the IR command	
serialpass,z	z=on/off	Enable serial passtrough in order to be able to route 1 to 1 serial path (needs to be enabled on both units)	serialpass,on ok
setserpass,zz	zz=IP address of 2nd unit	Set up direct serial route between the controlled device and a secondary device	setserpass,192.168.0.150 ok
getserialpass		Query the serial passtrough status	serialpass,on! setserpass,192.168.0.150!
irpass,z	z=on/off	Enable IR passtrough in order to be able to route 1 to 1 IR path (needs to be enabled on both units)	irpass,on ok
setirpass,zz	zz=IP address of 2nd unit	Set up direct IR route between the controlled device and a secondary device	setirpass,192.168.0.150 ok
getirpass		Query the IR passtrough status	irpass,on! setirpass,192.168.0.150!
senduserir,z	z=1~40	Send user stored IR data number "z"	senduserir,5 ok
senduserserial	z=1~5	Send user stored RS232 commands number "z"	senduserserial,2 ok
serpassdisconnect		Disconnect serial passthrough	serpassdisconnect ok
irpassdisconnect		Disconnect ir passthrough	irpassdisconnect ok
seriptunnel,z	z=on/off	Enable or disable off RS232 IP tunnel	seriptunnel,on ok

getseriptunnel		Query RS232 IP tunnel status	seriptunnel,on!
seripsshtunnel,z	z=on/off	Enable or disable RS232 IP tunnel SSH mode	seripsshtunnel,on ok
getseripsshtunnel		Query RS232 IP tunnel SSH mode status	seripsshtunnel,on!
Network Setting			
setipdhcp		Set encoder IP mode to DHCP	setipdhcp ok
setipstatic		Set encoder IP mode to Static	setipstatic ok
setip,zz	zz = xxx.xxx.xxx.xxx IP address	Set manual IP address for the encoder (sets encoder to Static IP mode)	setip,192.168.0.178 ok
setsubnet,xxx.xxx.xxx.xxx		Set manual subnet	setsubnet,255.255.255.0 ok
setgateway,xxx.xxx.xxx.xxx		Set manual default gateway	setgateway,192.168.0.1 ok
getipmode		Query ipmode status	setipdhcp!
setnetwork,x,y,z	Set network parameters x = IP~Address y = Subnet Mask z = Default Gateway	Set encoder network parameters in a single command.	setnetwork:192.168.0.178,255.255.255.0,192.168.0.1 ok
getnetwork		Query encoder network parameters	setnetwork:192.168.0.178,255.255.255.0,192.168.0.1!
getip		Query encoder current IP address	setip,192.168.0.178!
getsubnet		Query encoder current Subnet address	setsubnet,255.255.255.0!
getgateway		Query encoder current Gateway address	setgateway,192.168.0.1!
getmac		Query encoder current MAC address	mac,00:B0:D0:63:C2:24
setdns1,zz	zz = Primary DNS Address	Sets device primary DNS address	setdns1,8.8.8.8 ok
setdns2,zz	zz = Secondary DNS Address	Sets device secondary DNS address	setdns2,8.8.4.4 ok
getdns		Query DNS information	setdns1,8.8.8.8! setdns2,8.8.4.4!
setdiscovery,z	z = on/off	Enable or disable you to discover devices	setdiscovery,on ok
getdiscovery		Query the discovery status	setdiscovery,on!
getlldp		Query LLDP information	chassisid,80:CC:9C:80:0F:70! sysnameid,testswitch1! sysdesc,testmodel managed switch poe location1! portid, 0/11! portdesc, tnetport11! vlanid,112! poe,13 W!
setigmpversion,z	z = 0~1 0 = IGMP v2 (default) 1 = IGMP v3	Set device IGMP version to v.2 or v.3	setigmpversion,0 ok
getigmpversion		Query IGMP Version	setigmpversion,0!
VLAN			

vlantrunkmode,x:z	x = 1~2 1 = LAN 1 Port 2 = LAN 2 Port z = on/off	Enable or disable trunk mode	vlantrunkmode,1:on ok
getvlantrunkmode		Query VLAN trunk mode	vlantrunkmode,1:on! vlantrunkmode,2:off!
setvlantag,x:z	x = 1~2 1 = LAN 1 Port 2 = LAN 2 Port z = xxx VLAN tag (0~4095)	Set assosiated VLAN tagging for LAN 1 and LAN 2 ports	setvlantag,1:112 ok
getvlantag		Query VLAN tag for LAN 1 and LAN 2	setvlantag,1:112! setvlantag,2:20!
setvlan,n:x,y,z	n = 0~2 0 = Stream 1 = Control 2 = Dante x = VLAN ID (0~4095) y = TTL (1~255) z = DSCP value (1~255)	Associate different services with VLANs. Set desired TTL (TimeTo Live) value Set desired DSCP (Differentiated Services Code Point) value	setvlan,0:10,64,64 ok
getvlan		Query services VLAN associations	setvlan,0:10,64,64! setvlan,1:20,64,64! setvlan,2:30,64,64!
setvlanipdhcp,n	n = 0~2 0 = Stream 1 = Control 2 = Dante	Set the VLAN network IP mode to DHCP	setvlanipdhcp,0 ok
setvlanipstatic,n:x,y,z	n = 0~2 0 = Stream 1 = Control 2 = Dante x = IP Address y = Subnet Mask z = Default Gateway	Set the VLAN network IP mode to Static with given network parameters	setvlanipstatic,0:192.168.0.178,255.255.255.0,192.168.0.1 ok
getvlanipmode		Query the VLAN network IP mode	setvlanipdhcp,0! setvlanipstatic,0:192.168.0.178,255.255.255.0,192.168.0.1!
CEC Control			

cecinsend,a:b:z	a,b,z = CEC parameters	Send CEC command to HDMI In (USB-C don't support CEC)	cecin,04:44:41 ok
cecoutsend,a:b:z	a,b,z = CEC parameters	Send CEC command to HDMI Out	cecout,40:44:41 ok
cecin,x	x = 1~16 CEC Command 1 = On 2 = Off 3 = Menu 4 = Play 5 = Back 6 = Up 7 = Enter 8 = Stop 9 = Left 10 = Down 11 = Right 12 = Pause 13 = Previous 14 = Next 15 = REW 16 = FF	Send CEC preset command to HDMI IN	cecin,1 ok
cecout,y	y = 1~6 CEC Command 1 = On 2 = Off 3 = Source 4 = Mute 5 = Volume- 6 = Volume+	Send CEC preset command to HDMI Loopout	cecout,6 ok

TNET-ENC-C211-DA

Commands System Setting	Argument	Description	Response
getstatus		Query device all information	enc! TNET-ENC-C211-DA temperature,40! sethostname,testhostname! mac,00:B0:D0:63:C2:24! setdevicename,Encoder Podium! firmware, V1.0.0! sn,670-05002 encstream,on! setstreammode,0! custommulticastaddress,off! setmulticastaddress,225.0.0.1! multicastaddress,225.0.0.2! danteava,off! setstream,3012! videomute,off! hdcpusbc,on! hdcphdmi,on! hdcpusbcversion,2.2! hdcphdmiversion,2.2! usbcpower,on! autoswitch,on! setautoswitchprio,0! in1,link:n! in2,link:n! set,1! setcolorspace,0! inputres,3840x2160! streampreview,on! previewurl,http://192.168.0.200/stream! seta,3! setaauto,on! setanalogmode,1! setanalogtype,1! livol,1:50! lovol,50! mute,1! unmute,2! mute,3! mute,4! setanalog,3! setanalogdelay,10ms! hdcpadvertising,1:on! hdcpadvertising,2:off! danteaudio,off! dantetx1 signal on! dantetx2 signal on! dantemute,off! nosourceimage,on! playlist,on! autostatus,on! setautostatusip,192.168.0.50! setautostatusport,50000! setautostatusinter,60! fan,on! fanspeed,0! usbhost,on!

			setusbhost,1! setser,1,8,2,0! serialpass,on! setserpass,192.168.0.150! irread,on! irpass,on! setirpass,192.168.0.150! setipdhcp! setip,192.168.0.178! setsubnet,255.255.255.0! setgateway,192.168.0.1! setdns1,8.8.8.8! setdns2,8.8.4.4! lan2poepass,on! lan2port,on!
reset		Factory reset the device. Keeping IP settings	reset ok
resetfull		Factory reset the device. Including IP	resetfull ok
reboot		Reboot the device.	reboot ok
getfirmware		Query firmware version of the device.	firmware,V1.0.0!
poweron		Power on unit	poweron ok
poweroff		Power off unit	poweroff ok
getpower		Query power on status	poweron!
lan2port,z	z=on/off	Enable or disable LAN2 port compleatly	lan2port,off ok
getlan2port		Query firmware status	lan2port,on!
lan2poepass,z	z=on/off	Enable or disable POE passthrough on LAN 2 port	lan2poepass,on ok
getlan2poepass		Query POE passthrough on LAN 2 status	lan2poepass,on!
lowpower,z	z=on/off	Enable or disble low power mode. Disables all video and audio but unit draws less power and produces less heat and starts up quicker than during full power off.	lowpower,on ok
getlowpowermode		Query lowpower mode status.	lowpower,on!

idbutton		Mimics the pressing of ID button on device front panel	idbutton ok
setdevicename,zz	zz=Device name	Sets the device friendly name	setdevicename,Encoder Podium ok
getdevicename		Query the device current friendly name	setdevicename,Encoder Podium!
setdevicenamesync, x:z	x=1~3 1 = Dante TX CH1 name 2 = Dante TX CH2 name 3 = Host name z=on/off	Setting the device name the Dante TX Ch1/2 or hostname follow the device name. Needs to follow hostname conventions - no special letters or space etc	setdevicenamesync,1:on ok
getdevicenamesync		Query the device name follow setting	setdevicenamesync,1:on ! setdevicenamesync,2:on ! setdevicenamesync,3:on !
sethostname,zz	zz = xxxxxx (Hostname)	Set encoder custom IP Hostname	sethostname,testhostname ok
gethostname		Query encoder current IP Hostname	sethostname,testhostname!
getmodel		Query device model name	TNET-ENC-C211-DA
getsn		Query device serial number	sn,670-05002
gettype		Query device type encoder or decoder	enc!
oled,z	z = on/off on = always on (default) off = manual 60s display time	Sets oled display always on or manual. Note: when setting to off the display stays o for 30s before turning off.	oled,on ok
getoled		Query oled display mode	oled,on!
setoledperiod,z	1~10s defult 2s	Set oled line changing time when more than 2 selections are displayed.	setoledperiod,1 ok
getoledperiod		Query oled line changing time	setoledperiod,11
gettemp		Query Board Temperature	temperature,40℃!
fplock,z	z = on/off	Turn on or off the front panel lock	fplock,on ok
getfplock		Query device front panel lock status	fplock,off!
clearlog		Clears the log history of the device	clearlog ok
startdebug		Start the debug file logging of the device	startdebug ok
stopdebug		Stop the debug file logging of the device	stopdebug ok

getdebugfile		Starts the filetransfer of the degbug file	getdebugfile ok getdebugfile success
autostatus,z	z=on/off	Enable auto status feature sending out UDP "getstatus" response automatically to a user given ip address, UDP port and interval	autostatus,on ok
getautostatus		Query the Auto Status feature status	autostatus,on!
setautostatusip,zzzzzzz		Set the IP address for the auto status receiver	setautostatusip,192.168.0.50 ok
getautostatusip		Query the auto status receiver IP address	setautostatusip,192.168.0.50!
setautostatusport,zzzzz		Set the UDP for the auto status receiver	setautostatusport,50000 ok
getautostatusport		Query the auto status receiver UDP port	setautostatusport,50000 !
setautostatusinter,z	z=1~3600	Set the time interval to send auto status updates in sec	setautostatusinter,60 ok
getautostatusinter		Query the auto status time intervall	setautostatusinter,60!
discovery,z	z=on/off	Enable or disable the automatic sending of nulticast discovery packets	discovery,on ok
getdiscovery		Query discovery packet enable or disable status	discovery,on!
setdiscoveryinter,z	z=1~3600	Set custom discovery interval in sec	setdiscoveryinter,60 ok
getdiscoveryinter		Query the discovery package send interval	setdiscoveryinter,60!
setencryptionmode,x	x= 1 Super Security Mode x= 2 Standard Security Mode (default)	Setting the encryption mode	setencryptionmode,1 ok
getencryptionmode		Query video encryption mode	setencryptionmode,1!
fan,z	z = on/off	Turn on or off the fan	fan,on ok
getfan		Query for the fan status	fan,on!
setfanspeed,z	z = 0~5 0 = Auto 1 = Ultra Low 2 = Low 3 = Medium 4 = High 5 = Super High	Fan speed control	setfanspeed,0 ok
getfanspeed		Query current fan speed	setfanspeed,0!
Stream Setting			
setstream,z	z=0001~9999	Set the encoder T-NET stream number for T-NET video and T-NET audio. Note: All 4 numbers are required eg. 0015	setstream:0312 ok
getstream		Query the stream number on encoder	setstream,0312!
encstream,z	z = on/off	Enable or disable encoder video and audio streams. Applies both to T-NET and Dante mode	encstream,off ok
getencstream		Query the streaming status of the encoder	encstream,on!
streampreview,z	z=on/off	Disable preview MJPEG substream	streampreview,on ok streampreview,off ok

getstreampreview		Query preview status	streampreview,on! streampreview,off!
getpreviewurl		Query preview url	previewurl, http://192.168.0.200/stream!
setpreviewres,z	0 = 1280x720(default) 1 = 960x540 2 = 640x360	Set preview resolution	setpreviewres,0 ok
getpreviewres		Query preview resolution	setpreviewres,0!
setpreviewfps,z	0 = 15 1 = 20 2 = 25 3 = 30(default)	Set preview fps	setpreviewfps,0 ok
getpreviewfps		Query preview fps	setpreviewfps,0!
setstreammode,z	x=0~1 0 = multicast (default) 1 = unicast	Set the Encoder streaming mode to either Unicast or Multicast.	setstreammode,0 ok
getstreammode		Query encoder current streaming mode	setstreammode,0!
custommulticastaddress,z	z=on/off	Enable or disable custom video multicast address	custommulticastaddress,on ok
getcustommulticastaddress		Query custom video multicast address status	custommulticastaddress,off!
setmulticastaddress,zz	zz = IP address (225.0.0.1~225.255.255.255)	Set the video multicast address	setmulticastaddress,225.0.0.1 ok
getmulticastaddress		Query multicast address when custom multicast address on, feedback user custom address, when custom multicast address off, feedback auto address.	setmulticastaddress,225.0.0.1! multicastaddress,225.0.0.2!
latencymode,z	z=0/1 0 = ULL mode (Ultra Low Latency <2ms, default) 1 = Normal mode (<19ms)	ULL mode (Ultra Low Latency <2ms) Normal mode (<19ms)	latencymode,0 ok
getlatencymode		Query device latency mode	latencymode,0!
multicasttraffic,z	z = on/off	Enable or disable multicast traffic on LAN2 port	multicasttraffic,on ok
getmulticasttraffic		Query LAN2 port multicast traffic status	multicasttraffic,off!
Dante			
danteava,z	z = on/off	Enable or disable Dante AV-A video streaming. Be aware that this disables the default T-NET video stream and video routing. This is now done via Audinate software.	danteava,on ok
getdanteava		Query the device current Dante AV-A mode status.	danteava,off!
danteaudio,z	z = on/off	Enable or disable Dante audio stream. Note: Unit will reboot automatically after command.	danteaudio,on ok
getdanteaudio		Query encoder Dante audio stream status	danteaudio,off!
danteaudiotx,z	z = on/off	Enable or disable Dante 2CH TX	danteaudiotx,:on ok
getdanteaudiotx		Query Dante TX status	danteaudiotx,off!

danteaudiorx,z	z = on/off	Enable or disable Dante 2CH RX	danteaudiorx,on ok
getdanteaudiorx		Query Dante RX status	danteaudiorx,on!
setdantetxch,x:z	x=1~2 1 = channel 1 2 = channel 2 z=xxxx channel name	Set Dante TX channel 1 and 2 custom naming. Note: Naming must follow conventional Domain Name System (DNS) hostname rules	setdantetxch,1:test1 ok setdantetxch,2:test2 ok
getdantetxch		Query Dante TX channel 1 and 2 current naming	setdantetxch,1:test1! setdantetxch,2:test2!
getdanterxch		Query Dante RX channel 1 and 2 current subcribtion naming	danterxch,1:test1! danterxch,2:test2!
dantemute,z	z = on/off	Enable or disable Dante audio mute	dantemute,on ok
getdantemute		Query Dante audio mute status	dantemute,off!
getdantelock		Query the Dante Audio "Dante Lock" status of the encoder	dantelock:unlock! dantelock:lock!
Video Signal Switching			
set,x	x=1~2 1 = USB~C 2 = HDMI	Sets encoder input source "x" to video stream	set,1 ok
getset		Query the encoder selected video stream source	set,1!
autoswitch,z	z = on/off	Enable or disable encoder input autoswitching	autoswitch,on ok
getautoswitch		Query encoder autoswitch mode	autoswitch,on!
setautoswitchprio,z	z=0~2 0:Last connect (default) 1 = Prio USB~C, HDMI 2 = Prio HDM, USB~C	Set the input autoswitching priority Do you need select detect mode: 5V or TMDS	setautoswitchprio,0 ok
getautoswitchprio		Query the autoswitching priority setting	setautoswitchprio,0!
setautoswitchdetect,z	z = 0~1 0 = 5V, 1 = TMDS+5V (default)	Set the source auto switch detect mode	setautoswitchdetect,0 ok
getautoswitchdetect		Query the auto switch detect mode.	setautoswitchdetect,0!
setcolorspace,z	z=0~2 0 = Auto (default) 1 = RGB 2 = YCbCr444	Set the current input colorspace	setcolorspace,0 ok
getcolorspace		Query colorspace setting status	setcolorspace,0!
hdmiloop,z	z = on/off	Enable or disable the HDMI loopout port	hdmiloop,on ok
gethdmiloop		Query the HDMI loopout port status	hdmiloop,off!
hdmiloopvmute,z	z = on/off	Enable or disable HDMI loopout video mute(black image)	hdmiloopvmute,on ok
gethdmiloopvmute		Query the HDMI loopout port video mute status	hdmiloopvmute,off!
getinputstatus		Query inputs status.	in 1,link:n! in 2,link:n!

getinputres		Query input resolution of active source	inputres,3840x2160!
getinputfps		Query input framerate of active source	inputfps,60!
getinputcolor		Query input colorspace	inputcolor,YCbCr!
videomute,z	z = on/off	Encoder transmit black image video stream	videomute,on ok
getvideomute		Query the video mute status	videomute,off!
No Source Image			
nosourceimage,z	z = on/off	Enable or disable no source image	nosourceimage,on ok
getnosourceimage		Query the no source image status	nosourceimage,on!
playlist,z	z = on/off	Enable or disable playlist function	playlist,on ok
getplaylist		Query the playlist status	playlist,on!
setplaylistimage,x,y,z	x=1~5 Image serial number y=image name z=duration time 0~3600s	Setting the playlist image	setplaylistimage,1,test1.jpg,1 ok
getplaylistimage,x	x=1~5 Image serial number	Query the playlist image	setplaylistimage,1,test1.jpg,1!
HDCP Setting			
hdcpadvertising,x:z	x=0~2 0 = All inputs 1 = USB~C 2 = HDMI z = on/off	Sets the HDCP compatibility on or off for input "x".	hdcpadvertising,1:on ok hdcpadvertising,2:on ok
gethdcpadvertising		Query HDCP compatibility	hdcpadvertising,1:on! hdcpadvertising,2:off!
gethdcphdmi		Query HDMI input current HDCP status	hdcphdmi,on!
gethdcpusbc		Query USB-C input current HDCP status	hdcpusbc,off!
gethdcpversion		Query source HDCP version	hdcphdmiversion,2.2! hdcpusbcversion,2.2!
EDID Setting			
setedidcopy,x:zz	x = 1~2, 1 = USB~C 2 = HDMI zz = xxx.xxx.xxx.xxx (Decoder IP address)	Copy Decoder EDID	edidcopy,1:192.168.0.102 ok

setedid,x:z	x = 1~2 1 = USB~C, 2 = HDMI zz = 1~9 1 = 1920x1080@60 8bit Stereo 2 = 1920x1080@60 8bit High Definition Audio 3 = 3840x2160@30 Hz 8bit Stereo Audio 4 = 3840x2160@30 Hz Deep Color High Definition Audio 5 = 3840x2160@60 Hz 4:2:0 Deep Color Stereo Audio 6 = 3840x2160@60 Hz Deep Color Stereo Audio 7 = 3840x2160@60 Hz Deep Color High Definition Audio 8 = 3840x2160@60 Hz Deep Color HDR LPCM 6CH 9 = User Defined	Set HDMI and/or USB-C input EDID	setedid,1:1 internal ok
getedid		Query the edid setting	edidcopy,1:192.168.0.102! setedid,2:1 internal!
setuseredid	Dislapys a prompt to send send a edid file.	Upload Local EDID to the unit.	setuseredid ok
getuseredid		Query the user upload EDID	useredid: 00 00 00...
getcurrentedid,x	x = 1~2, 1 = USB-C 2 = HDMI	Query current EDID stored on input "x"	currentedid,1: 00 00 00...
Audio Setting			
seta,x	x=0~3 0 = AFV 1 = USB~C 2 = HDMI 3 = Analog Audio	Set audio stream source. AFV (Audio Follow Video) use the active video source audio.	seta,3 ok
getseta		Query the encoder selected audio stream source	seta,3!

setaauto,z	z=on/off	Sets encoder input audio auto on/off Auto On: If analog is present(When analog port direction set to input) it has priority, if analog is no present, follow video.	setaauto,on ok
getaauto		Gets encoder input audio auto on/off	setaauto,on!
setanalogmode,z	z=0~1 0 = input 1 = output	Set the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Query encoder analog direction mode	setanalogmode,1!
setanalogtype,z	z=0~1 0 = balanced audio 1 = unbalanced audio	Set the analog audio connection type to balanced or unbalanced.	setanalogtype,0 ok
getanalogtype		Query encoder analog type mode	setanalogtype,1!
livol,x:z	x = 1~3 1 = USB~C Input Audio 2 = HDMI Input Audio 3 = Analog Input audio	Sets the audio source input "x" gain value	livol,1:5 ok
getlivol,x	x = 1~3 1 = USB~C Input Audio 2 = HDMI Input Audio 3 = Analog Input audio	Query the audio source input "x" current gain value	livol,1:20!
lovol,z	Analog audio output volume z = 0~100 Volume value	Set the analog output audio volume	lovol,50 ok
getlovol		Get the analog output audio volume	lovol,50!
livolinc,x:z	x = 1~3 1 = USB~C Input Audio 2 = HDMI Input Audio 3 = Analog Input audio z = 1~100	Input "x" gain increase by "z" steps	livol,1:30 ok
livoldec,x:z	x = 1~3 1 = USB~C Input Audio 2 = HDMI Input Audio 3 = Analog Input audio z = 1~100	Input "x" gain decrease by "z" steps	lovol,1:10 ok
lovolinc,z	z = 1~100	Analog output volume increase by "z" steps	lovol,1:30 ok
lovoldec,z	z = 1~100	Analog output volume decrease by "z" steps	lovol,1:10 ok

mute,z	z = 0~4 0 = All 1 = USB~C audio input 2 = HDMI audio input 3 = Analog audio input 4 = Analog audio output	Mutes the specified port	mute,1 ok
unmute,z	z = 0~4 0 = All 1 = USB~C audio input 2 = HDMI audio input 3 = Analog audio input 4 = Analog audio output	Unmute the specified port	unmute,2 ok
getmute,z	z = 0~4 0 = All 1 = USB~C audio input 2 = HDMI audio input 3 = Analog audio input 4 = Analog audio output	Query mute setting	mute,1! unmute,2! mute,3! mute,4!
setanalog,y	y= 0~4 0 = AFV (Audio Follows Active Video Source) 1 = USB~C 2 = HDMI 3 = Dante/AES67 RX	Set the audio source for the analog audio port when set to output direction mode.	setanalog,3 ok
getanalog		Query the analoge audio source when set to output mode	setanalog,3!
setanalogdelay,z	z = 0~170ms	Set the analog audio delay when set to output mode This is only for the analog output delay	setanalogdelay,10ms ok
getanalogdelay		Query the andlog output delay	setanalogdelay,10ms!
USB Setting			
usbhost,z	z = on/off	Enable or disable USB Host ability for encoder	usbhost,on ok
getusbhost		Query encoder USB Host enable/disable status	usbhost,on! usbhost,off!
setusbhost,x	x = 0~2 0 = Auto 1 = USB~C 2 = HDMI	Set encoder USB Host input video port association	setusbhost,0 ok
getsetusbhost		Query current active USB Host	setusbhost,1!
usbcpower,z	z = on/off	Enable or disable charging on the USB-C input	usbcpower,off ok
getusbcpower		Query USB-C charging status	usbcpower,on!
Serial Setting			
irread,z	z = on/off	Enable or disable IR read function	irread,on ok
getirread		Query for the IR read suatus	irread,on!
getirreaddata		Get the IR read data	Ir reading data: xx xx xx xx

setirdelay,x		Setting the IR command delay	setirdelay,0 ok
getirdelay		Query the IR command delay	setirdelay,0!
setirrepeattime,x	x = 1~2	Setting the IR repeat time	setirrepeattime,1 ok
getirrepeattime		Query the IR repeat time	setirrepeattime,1!
setirrepeatdelay,x	x = 1~3600	Setting the IR repeat delay	setirrepeatdelay,100 ok
getirrepeatdelay		Query the IR repeat delay	setirrepeatdelay,100!
setir,x:zz	x = 1~40 zz=00 00 00... IR data	Setting the IR commands	setir,1:00 00 00 ok
getir,x	x = 0~40 0 = All IR command, 1~40 IR command	Query the IR command	
setser,x:y,z,a	x = 1~7 (baudrate) 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200 y = 5~8 (databit) z = 0~4 (parity) 0 = Even 1 = Mark 2 = None 3 = Odd 4 = Space a = 1-2 (stop bits) 1 = 1 2 = 2	Set serial communication port baudrate, databit,parity and stop bits.	setser,1:8,2,0 ok
getser		Query the serial port setting	setser,1,8,2,0!

setrsercustom,x,y:z	x=1~5 user defined commands No. y=name z=command data	Setting the serial custom command	setrsercustom,1,user defined:test123 ok
getsercustom,x	x=1~5 user defined commands No.	Query the serial custom command	setsercustom,1,user defined:test123!
setserformat,x:y	x = ascii/hex y = 0~3 0 = NULL 1 = CR 2 = LF 3 = CR+LF	Setting the aerial custom command format	setserformat,ascii:0 ok
getserformat		Query the custom serial command format	setserformat,ascii:0!
sendser,zz	zz=test123 Serial command	Send serial command on units serial port using configurated port settings and format setings.	sendser,test123 ok
setbaudrate,z	z=1~7 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200	Set RS232 communication port baudrate.	setbaudrate,1 ok
getir,x,z	x = 0 ~40 0 = All IR command, 1 = 40 = IR command z=00 00 00... IR data	Query the IR command	
serialpass,z	z=on/off	Enable serial passtrough in order to be able to route 1 to 1 serial path (needs to be enabled on both units)	serialpass,on ok
setserpass,zz	zz=IP address of 2nd unit	Set up direct serial route between the controlled device and a secondary device	setserpass,192.168.0.150 ok
getserialpass		Query the serial passtrough status	serialpass,on! setserpass,192.168.0.150!
irpass,z	z=on/off	Enable IR passtrough in order to be able to route 1 to 1 IR path (needs to be enabled on both units)	irpass,on ok
setirpass,zz	zz=IP address of 2nd unit	Set up direct IR route between the controlled device and a secondary device	setirpass,192.168.0.150 ok
getirpass		Query the IR passtrough status	irpass,on! setirpass,192.168.0.150!
senduserir,z	z=1~40	Send user stored IR data number "z"	senduserir,5 ok
senduserserial	z=1~5	Send user stored RS232 commands number "z"	senduserserial,2 ok

serpassdisconnect		Disconnect serial passthrough	serpassdisconnect ok
irpassdisconnect		Disconnect ir passthrough	irpassdisconnect ok
seriptunnel,z	z=on/off	Enable or disable off RS232 IP tunnel	seriptunnel,on ok
getseriptunnel		Query RS232 IP tunnel status	seriptunnel,on!
seripsshtunnel,z	z=on/off	Enable or disable RS232 IP tunnel SSH mode	seripsshtunnel,on ok
getseripsshtunnel		Query RS232 IP tunnel SSH mode status	seripsshtunnel,on!
Network Setting			
setipdhcp		Set encoder IP mode to DHCP	setipdhcp ok
setipstatic		Set encoder IP mode to Static	setipstatic ok
setip,zz	zz = xxx.xxx.xxx.xxx IP address	Set manual IP address for the encoder (sets encoder to Static IP mode)	setip,192.168.0.178 ok
setsubnet,xxx.xxx.xxx.xxx		Set manual subnet	setsubnet,255.255.255.0 ok
setgateway,xxx.xxx.xxx.xxx		Set manual default gateway	setgateway,192.168.0.1 ok
getipmode		Query ipmode status	setipdhcp!
setnetwork,x,y,z	Set network parameters x = IP~Address y = Subnet Mask z = Default Gateway	Set encoder network parameters in a single command.	setnetwork:192.168.0.178,255.255.255.0,192.168.0.1 ok
getnetwork		Query encoder network parameters	setnetwork:192.168.0.178,255.255.255.0,192.168.0.1!
getip		Query encoder current IP address	setip,192.168.0.178!
getsubnet		Query encoder current Subnet address	setsubnet,255.255.255.0 !
getgateway		Query encoder current Gateway address	setgateway,192.168.0.1!
getmac		Query encoder current MAC address	mac,00:B0:D0:63:C2:24
setdns1,zz	zz = Primary DNS Address	Sets device primary DNS address	setdns1,8.8.8.8 ok
setdns2,zz	zz = Secondary DNS Address	Sets device secondary DNS address	setdns2,8.8.4.4 ok
getdns		Query DNS information	setdns1,8.8.8.8! setdns2,8.8.4.4!
setdiscovery,z	z = on/off	Enable or disable you to discover devices	setdiscovery,on ok
getdiscovery		Query the discovery status	setdiscovery,on!
getlldp		Query LLDP information	chassisid,80:CC:9C:80:0F:70! sysnameid,testswitch1! sysdesc,testmodel managed switch poe location1! portid, 0/11! portdesc, tnetport11! vlanid,112! poe,13 W!
setigmpversion,z	z = 0~1 0 = IGMP v2 (default) 1 = IGMP v3	Set device IGMP version to v.2 or v.3	setigmpversion,0 ok
getigmpversion		Query IGMP Version	setigmpversion,0!
VLAN			

vlantrunkmode,x:z	x = 1~2 1 = LAN 1 Port 2 = LAN 2 Port z = on/off	Enable or disable trunk mode	vlantrunkmode,1:on ok
getvlantrunkmode		Query VLAN trunk mode	vlantrunkmode,1:on! vlantrunkmode,2:off!
setvlantag,x:z	x = 1~2 1 = LAN 1 Port 2 = LAN 2 Port z = xxx VLAN tag (0~4095)	Set assosiated VLAN tagging for LAN 1 and LAN 2 ports	setvlantag,1:112 ok
getvlantag		Query VLAN tag for LAN 1 and LAN 2	setvlantag,1:112! setvlantag,2:20!
setvlan,n:x,y,z	n = 0~2 0 = Stream 1 = Control 2 = Dante x = VLAN ID (0~4095) y = TTL (1~255) z = DSCP value (1~255)	Associate different services with VLANs. Set desired TTL (TimeTo Live) value Set desired DSCP (Differentiated Services Code Point) value	setvlan,0:10,64,64 ok
getvlan		Query services VLAN associations	setvlan,0:10,64,64! setvlan,1:20,64,64! setvlan,2:30,64,64!
setvlanipdhcp,n	n = 0~2 0 = Stream 1 = Control 2 = Dante	Set the VLAN network IP mode to DHCP	setvlanipdhcp,0 ok
setvlanipstatic,n:x,y,z	n = 0~2 0 = Stream 1 = Control 2 = Dante x = IP Address y = Subnet Mask z = Default Gateway	Set the VLAN network IP mode to Static with given network parameters	setvlanipstatic,0:192.168.0.178,255.255.255.0,192.168.0.1 ok
getvlanipmode		Query the VLAN network IP mode	setvlanipdhcp,0! setvlanipstatic,0:192.168.0.178,255.255.255.0,192.168.0.1!
CEC Control			
cecinsend,a:b:z	a,b,z = CEC parameters	Send CEC command to HDMI In (USB-C don't support CEC)	cecin,04:44:41 ok
cecoutsend,a:b:z	a,b,z = CEC parameters	Send CEC command to HDMI Out	cecout,40:44:41 ok

cecin,x	x = 1~16 CEC Command 1 = On 2 = Off 3 = Menu 4 = Play 5 = Back 6 = Up 7 = Enter 8 = Stop 9 = Left 10 = Down 11 = Right 12 = Pause 13 = Previous 14 = Next 15 = REW 16 = FF	Send CEC preset command to HDMI IN	cecin,1 ok
cecout,y	y = 1~6 CEC Command 1 = On 2 = Off 3 = Source 4 = Mute 5 = Volume- 6 = Volume+	Send CEC preset command to HDMI Loopout	cecout,6 ok

TNET-DEC-H211-DA

General System Setting	Argument	Description	Response
getstatus		Query device all information	enc! TNET-ENC-C211-DA temperature,40! sethostname,testhostname! mac,00:B0:D0:63:C2:24! setdevicename,Encoder Podium! firmware, V1.0.0! sn,670-05002 encstream,on! setstreammode,0! custommulticastaddress,off! setmulticastaddress,225.0.0.1! multicastaddress,225.0.0.2! danteava,off! setstream,3012! videomute,off! hdcpusbc,on! hdcphdmi,on! hdcpusbcversion,2.2! hdcphdmiversion,2.2! usbcpower,on! autoswitch,on! setautoswitchprio,0! in1,link:n! in2,link:n! set,1! setcolorspace,0! inputres,3840x2160! streampreview,on! previewurl,http://192.168.0.200/stream! seta,3! setaauto,on! setanalogmode,1! setanalogtype,1! livol,1:50! lovol,50! mute,1! unmute,2! mute,3! mute,4! setanalog,3! setanalogdelay,10ms! hdcpadvertising,1:on! hdcpadvertising,2:off! danteaudio,off! dantetx1 signal on! dantetx2 signal on! dantemute,off! nosourceimage,on! playlist,on! autostatus,on! setautostatusip,192.168.0.50! setautostatusport,50000! setautostatusinter,60! fan,on! fanspeed,0! usbhost,on! setusbhost,1! setser,1,8,2,0! serialpass,on! setserpass,192.168.0.150!

			irread,on! irpass,on! setirpass,192.168.0.150! setipdhcp! setip,192.168.0.178! setsubnet,255.255.255.0! setgateway,192.168.0.1! setdns1,8.8.8.8! setdns2,8.8.4.4! lan2poepass,on! lan2port,on!
reset		Factory reset the device. Keeping IP settings	reset ok
resetfull		Factory reset the device. Including IP	resetfull ok
reboot		Reboot the device.	reboot ok
getfirmware		Query firmware version of the device.	firmware,V1.0.0!
poweron		Power on unit	poweron ok
poweroff		Power off unit	poweroff ok
getpower		Query power on status	poweron!
lan2port,z	z=on/off	Enable or disable LAN2 port compleatly	lan2port,off ok
getlan2port		Query firmware status	lan2port,on!
lan2poepass,z	z=on/off	Enable or disable POE passthrough on LAN 2 port	lan2poepass,on ok
getlan2poepass		Query POE passthrough on LAN 2 status	lan2poepass,on!
lowpower,z	z=on/off	Enable or disble low power mode. Disables all video and audio but unit draws less power and produces less heat and starts up quicker than during full power off.	lowpower,on ok
getlowpowermode		Query lowpower mode status.	lowpower,on!
idbutton		Mimics the pressing of ID button on device front panel	idbutton ok

setdevicename,zz	zz=Device name	Sets the device friendly name	setdevicename,decoder Podium ok
getdevicename		Query the device current friendly name	setdevicename,decoder Podium!
setdevicenamesync, x:z	x=1~3 1 = Dante TX CH1 name 2 = Dante TX CH2 name 3 = Host name z=on/off	Setting the device name the Dante TX Ch1/2 or hostname follow the device name. Needs to follow hostname conventions - no special letters or space etc	setdevicenamesync,1:on ok
getdevicenamesync		Query the device name follow setting	setdevicenamesync,1:on! setdevicenamesync,2:on! setdevicenamesync,3:on!
sethostname,zz	zz = xxxxxx (Hostname)	Set decoder custom IP Hostname	sethostname,testhostname ok
gethostname		Query decoder current IP Hostname	sethostname,testhostname!
getmodel		Query device model name	TNET-ENC-C211-DA
getsn		Query device serial number	sn,670-05002
gettype		Query device type encoder or decoder	enc!
oled,z	z = on/off on = always on (default) off = manual 60s display time	Sets oled display always on or manual. Note: when setting to off the display stays o for 30s before turning off.	oled,on ok
getoled		Query oled display mode	oled,on!
setoledperiod,z	1~10s defult 2s	Set oled line changing time when more than 2 selections are displayed.	setoledperiod,1 ok
getoledperiod		Query oled line changing time	setoledperiod,11
gettemp		Query Board Temperature	temperature,40℃!
fplock,z	z = on/off	Turn on or off the front panel lock	fplock,on ok
getfplock		Query device front panel lock status	fplock,off!
clearlog		Clears the log history of the device	clearlog ok
startdebug		Start the debug file logging of the device	startdebug ok
stopdebug		Stop the debug file logging of the device	stopdebug ok
getdebugfile		Starts the filetransfer of the degbug file	getdebugfile ok getdebugfile success
autostatus,z	z=on/off	Enable auto status feature sending out UDP "getstatus" response automatically to a user given ip address, UDP port and interval	autostatus,on ok
getautostatus		Query the Auto Status feature status	autostatus,on!
setautostatusip,zzzzzzz		Set the IP address for the auto status receiver	setautostatusip,192.168.0.50 ok
getautostatusip		Query the auto status receiver IP address	setautostatusip,192.168.0.50!
setautostatusport,zzzzz		Set the UDP for the auto status receiver	setautostatusport,50000 ok
getautostatusport		Query the auto status receiver UDP port	setautostatusport,50000!
setautostatusinter,z	z=1~3600	Set the time interval to send auto status updates in sec	setautostatusinter,60 ok
getautostatusinter		Query the auto status time intervall	setautostatusinter,60!

discovery,z	z=on/off	Enable or disable the automatic sending of nulticast discovery packets	discovery,on ok
getdiscovery		Query discovery packet enable or disable status	discovery,on!
setdiscoveryinter,z	z=1~3600	Set custom discovery interval in sec	setdiscoveryinter,60 ok
getdiscoveryinter		Query the discovery package send interval	setdiscoveryinter,60!
setencryptionmode, x	x= 1 Super Security Mode x= 2 Standard Security Mode (default)	Setting the encryption mode	setencryptionmode,1 ok
getencryptionmode		Query video encryption mode	setencryptionmode,1!
fan,z	z = on/off	Turn on or off the fan	fan,on ok
getfan		Query for the fan status	fan,on!
setfanspeed,z	z = 0~5 0 = Auto 1 = Ultra Low 2 = Low 3 = Medium 4 = High 5 = Super High	Fan speed control	setfanspeed,0 ok
getfanspeed		Query current fan speed	setfanspeed,0!
OSD			

setosd:x,y,z,a,b,c	x =1~9 (OSD position) 1 = Center 2 = Left 3 = Right 4 = Top-Left 5 = Top 6 = Top-Right 7 = Bottom-left 8 = Bottom 9 = Bottom-Right y = 8~96 (Font size pt) z = MMRRGGBB (Font color) MMRRGGBB = Alignment Mode, Red, Green, Blue), the Alignment mode should be set to 0xFF (Center align) or 0xF0 (Top-Left align). a = RRGGBB(000000 (Background color) b = 0~31 (background transparency 0 =transparent~31 =opaque) c = 0~300 (Osd duration s, 0 = Always on)		setosd:1,30,FF00FF00,000000,0,0 ok
osd,z	z = on/off	Enable or disable osd	osd,on ok
getosd		Query osd status	osd,on!
getosdinf		Query osd infromation	Device Name: Room1 DEC Resolution: 3840x2160 YCbCr IP Address: 192.168.24.18 Custom Text: xxxxxx
osdtext,xxxx		set osd text	osdtext,test ok
getosdtext		Query osd text	osdtext,test!
setosdposition,z	z = 0~8 0 = Center 1 = Left 2 = Right 3 = Top-Left 4 = Top 5 = Top-Right 6 = Bottom-Left 7 = Bottom 8 = Bottom-Right	set osd position	setosdposition,0 ok
getosdposition		Query osd position	setosdposition,0!

setosdfontsize,z		Set osd font size	setosdfontsize,30 ok
getosdfontsize		Qery osd font size	setosdfontsize,30!
setosdfontcolor,xxxxxx	MMRRGGBB (Alignment Mode, Red, Green, Blue), the Alignment mode should be set to 0xFF (Center align) or 0xF0 (Top-Left align). MM=FF/F0	Set osd font color	setosdfontcolor,F000FF00 ok
getosdfontcolor		Query osd font color	setosdfontcolor,F000FF00!
setosdbgcolor,xxxxxx	RRGGBB	Set osd background color	setosdbgcolor,00FF00 ok
getosdbgcolor		Query osd background color	setosdbgcolor,00FF00!
setosdbgts,x	z = 0 - 31	Set osd background transparency	setosdbgts,0 ok
getosdbgts		Query osd background transparency	setosdbgts,0!
setosdofftime,z	z = n/number n = always on number = xx second	Set osd off time	setosdofftime,n ok
getosdofftime		Query osd off time	setosdofftime,n!
Stream Setting			
setrouting,x:zz		x=v/a/s/u/k/r v: video a: audio u: usb k: km	setrouting,v:0000 ok
getrouting		0	setrouting,v:0000! setrouting,a:0000! setrouting,u:192.168.0.1! setrouting,k:192.168.0.1!
setaudiofollowvideo,z	z=on/off	Setting audio video	setaudiofollowvideo,on ok

getaudiofollowvideo			setaudiofollowvideo,on!
streampreview,z	z=on/off	Disable preview MJPEG substream	streampreview,on ok streampreview,off ok
getstreampreview		Query preview status	streampreview,on! streampreview,off!
getpreviewurl		Query preview url	previewurl, http://192.168.0.200/stream!
setpreviewres,z	0 = 1280x720(default) 1 = 960x540 2 = 640x360	Set preview resolution	setpreviewres,0 ok
getpreviewres		Query preview resolution	setpreviewres,0!
setpreviewfps,z	0 = 15 1 = 20 2 = 25 3 = 30(default)	Set preview fps	setpreviewfps,0 ok
getpreviewfps		Query preview fps	setpreviewfps,0!
setstreammode,z	x=0~1 0 = multicast (default) 1 = unicast	Set the decoder streaming mode to either Unicast or Multicast.	setstreammode,0 ok
getstreammode		Query decoder current streaming mode	setstreammode,0!
custommulticastaddress,z	z=on/off	Enable or disable custom video multicast address	custommulticastaddress,on ok
getcustommulticastaddress		Query custom video multicast address status	custommulticastaddress,off!
setmulticastaddress,zz	zz = IP address (225.0.0.1~225.255.255.255)	Set the video multicast address	setmulticastaddress,225.0.0.1 ok
getmulticastaddress		Query multicast address when custom multicast address on, feedback user custom address, when custom multicast address off, feedback auto address.	setmulticastaddress,225.0.0.1! multicastaddress,225.0.0.2!
latencymode,z	z=0/1 0 = ULL mode (Ultra Low Latency <2ms, default) 1 = Normal mode (<19ms)	ULL mode (Ultra Low Latency <2ms) Normal mode (<19ms)	latencymode,0 ok
getlatencymode		Query device latency mode	latencymode,0!
multicasttraffic,z	z = on/off	Enable or disable multicast traffic on LAN2 port	multicasttraffic,on ok
getmulticasttraffic		Query LAN2 port multicast traffic status	multicasttraffic,off!
Dante			
danteava,z	z = on/off	Enable or disable Dante AV-A video streaming. Be aware that this disables the default T-NET video stream and video routing. This is now done via Audinate software.	danteava,on ok
getdanteava		Query the device current Dante AV-A mode status.	danteava,off!
danteaudio,z	z = on/off	Enable or disable Dante audio stream. Note: Unit will reboot automatically after command.	danteaudio,on ok
getdanteaudio		Query decoder Dante audio stream status	danteaudio,off!
danteaudiotx,z	z = on/off	Enable or disable Dante 2CH TX	danteaudiotx,:on ok

getdanteaudiotx		Query Dante TX status	danteaudiotx,off!
danteaudiorx,z	z = on/off	Enable or disable Dante 2CH RX	danteaudiorx,on ok
getdanteaudiorx		Query Dante RX status	danteaudiorx,on!
setdantetxch,x:z	x=1~2 1 = channel 1 2 = channel 2 z=xxxx channel name	Set Dante TX channel 1 and 2 custom naming. Note: Naming must follow conventional Domain Name System (DNS) hostname rules	setdantetxch,1:test1 ok setdantetxch,2:test2 ok
getdantetxch		Query Dante TX channel 1 and 2 current naming	setdantetxch,1:test1! setdantetxch,2:test2!
getdanterxch		Query Dante RX channel 1 and 2 current subcribtion naming	danterxch,1:test1! danterxch,2:test2!
dantemute,z	z = on/off	Enable or disable Dante audio mute	dantemute,on ok
getdantemute		Query Dante audio mute status	dantemute,off!
getdantelock		Query the Dante Audio "Dante Lock" status of the decoder	dantelock:unlock! dantelock:lock!
Video Signal Switching			
set,x	x =1~3 1 = ENC stream 2 = Local HDMI 3 = No Stream Image	Sets decoder source "x" to HDMI output	set,1 ok
getset		Query the decoder selected video stream source	set,1!
autoswitch,z	z = on/off	Enable or disable decoder input autoswitching	autoswitch,on ok
getautoswitch		Query decoder autoswitch mode	autoswitch,on!
setautoswitchprio,z	z=0~2 0:Last connect (default) 1 = Prio HDMI, Stream 2 = Prio Stream,HDMI	Set the input autoswitching priority Do you need select detect mode: 5V or TMDS	setautoswitchprio,0 ok
getautoswitchprio		Query the autoswitching priority setting	setautoswitchprio,0!
setautoswitchdetect,z	z = 0~1 0 = 5V, 1 = TMDS+5V (default)	Set the source auto switch detect mode	setautoswitchdetect,0 ok
getautoswitchdetect		Query the auto switch detect mode.	setautoswitchdetect,0!
setcolorspace,z	z=0~2 0 = Auto (default) 1 = RGB 2 = YCbCr	Set the HDMI output colorspace	setcolorspace,0 ok
getcolorspace		Query colorspace setting status	setcolorspace,0!
getinputstatus		Query inputs status.	in 1,link:n! in 2,link:n!
getinputres		Query input resolution of active source	inputres,3840x2160!
getinputfps		Query input framerate of active source	inputfps,60!

getinputcolor		Query input colorspace	inputcolor,YCbCr!
videomute,z	z = on/off	decoder transmit black image video stream	videomute,on ok
getvideomute		Query the video mute status	videomute,off!
setoutputresolution:z	z = 0~25 0 = Pass Through 1 = Pass Through(Strict) 2 = 720p50 3 = 720P60 4 = 1080P24 5 = 1080P30 6 = 1080P50 7 = 1080P60 8 = 1366x768p60 9 = 1440x900p60 10 = 1400x1050p60 11 = 1600x900p60 12 = 1600x1200p60 13 = 1920x1200p60 14 = 2560x1440p60 15 = 3840x1620p60 16 = 3840x2160p24 17 = 3840x2160p25 18 = 3840x2160p30 19 = 3840x2160p50 20 = 3840x2160p60 21 = 4096x2160p24 22 = 4096x2160p25 23 = 4096x2160p30 24 = 4096x2160p50 25 = 4096x2160p60	Set HDMI output Scaling mode/resolution.	setoutputresolution:0 ok!
getoutputresolution			setoutputresolution:0 ok!
No Stream Image			
nostreamimage,z	z = on/off	Enable or disable no stream image	nostreamimage,on ok
getsetnostreamimage		Query the no stream image status	nostreamimage,on!
playlist,z	z = on/off	Enable or disable playlist function	playlist,on ok
getplaylist		Query the playlist status	playlist,on!
setplaylistimage,x,y,z	x=1~5 Image serial number y=image name z=duration time 0~3600s	Setting the playlist image	setplaylistimage,1,test1.jpg,1 ok

getplaylistimage,x	x=1~5 Image serial number	Query the playlist image	setplaylistimage,1,test1.jpg,1 !
poweronimage,z	z = on/off	Enable or disable power on image	poweronimage,on ok
getpoweronimage		Query the power on image status	poweronimage,on!
setpoweronimageduration,x	x = 15-300 (Duration time,s)	Setting the power on image name and duration time	setpoweronimageoption,100 ok
getpoweronimageduration		Query the power on image setting	setpoweronimageoption,100!
Video Wall			
videowall,z	z= on/off	Enable or disable videowall mode	videowall,on ok
getvideowall		Query video wall status	videowall,on!
setvideowallmode,x	x= 1 symmetric x= 2 mosaic	Setting the videowall mode	setvideowallmode,1 ok
getvideowallmode		Query video wall mode	setvideowallmode,1!

setvideowall,x,y,a,b,ow,oh,vw,vh,rot,stret	Symmetric mode: x = Horizantal count y = Vertical count a = unit horizantal position b = unit vertical position Mosaic mode: x = virtual coordinates X1 y = virtual coordinates Y1 a = virtual coordinates X2 b = virtual coordinates Y2 ow = outer width(mm) oh = outer height(mm) vw = view width(mm) vh = view height(mm) rot = 0~3 0 = 0 degree 1 = 90 degree 2 = 180 degree 3 = 270 degree stret = 0~1 0 = Fit in 1= Stretch	Set the symmetric video wall parameters.	setvideowall,3,3,1,1,200,100,190,90,0,0 ok
getsetvideowall		Query the symmetric video wall settings	setvideowall,3,3,1,1,200,100,190,90,0,0!
HDCP Setting			
hdcpadvertising,x:z	x=0~2 0 = All inputs 1 = N/A 2 = HDMI z = on/off	Sets the HDCP compatibility on or off for input "x".	hdcpadvertising,2:on ok
gethdcpadvertising		Query HDCP compatibility	hdcpadvertising,1:on! hdcpadvertising,2:off!
gethdcphdmi		Query HDMI input current HDCP status	hdcphdmi,on!
gethdcpversion		Query source HDCP version	hdcphdmiversion,2.2! hdcpusbcversion,2.2!
gethdcpstream		Query stream current HDCP status	hdcpstream,off!
hdcpon		HDMI output HDCP mode is Always On and follows the display HDCP version.	

hdcpfollowinput		HDMI Output HDCP mode and version follows the input source	
hdcpfollowdisplay		HDMI Output HDCP version follows the output device	
gethdcpoutput		Query HDMI output HDCP setting	
EDID Setting			
setedidcopy		Local HDMI input and DEC Stream input copy display EDID	edidcopy ok
setedid,z	z = 1~9 1 = 1920x1080@60 8bit Stereo 2 = 1920x1080@60 8bit High Definition Audio 3 = 3840x2160@30Hz 8bit Stereo Audio (Default) 4 = 3840x2160@30Hz Deep Color High Definition Audio 5 = 3840x2160@60Hz 4:2:0 Deep Color Stereo Audio 6 = 3840x2160@60Hz Deep Color Stereo Audio 7 = 3840x2160@60Hz Deep Color High Definition Audio 8 = 3840x2160@60Hz Deep Color HDR LPCM 6CH 9 = User Defined	Set the Local HDMI input EDID	setedid,1 internal ok
getedid		Query Local HDMI EDID settings	edidcopy! setedid,1 internal!
setuseredid		Upload Local EDID to the unit. Receive a prompt then send a edid file	setuseredid ok
getuseredid		Query the user upload EDID	useredid: 00 00 00...
getcurrentedid,x	x=1~2 1 - Display EDID (HDMI output) 2 - Local HDMI Input	Query current EDID on local HDMI and Decoder display EDID	currentedid,1: 00 00 00...
Audio Setting			
seta,y	x = 0~3 0 = AFV (Audio follows active video source) 1 = TNET Audio stream 2 = Dante/AES67 stream Audio 3 = Analog Audio 4 = Local HDMI Audio	Sets HDMI output embedded Audio source	seta,2 ok
getseta		Query the decoder current HDMI output audio source	seta,2!

setaauto,z	z = on/off	Sets decoder input audio auto on/off Auto On: If analog is present(When analog port direction set to input) it has priority, if analog is no present, follow video.	setaauto,on ok
getaauto		Gets decoder input audio auto on/off	setaauto,on!
setanalogmode,z	z = 0~1 0 = Input 1 = Output	Set the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Query decoder analog direction mode	setanalogmode,1!
setanalogtype,z	z=0~1 0 = balanced audio 1 = unbalanced audio	Set the analog audio connection type to balanced or unbalanced.	setanalogtype,0 ok
getanalogtype		Query encoder analog type mode	setanalogtype,1!
livol,x:z	x = 1~2 1 = HDMI Input Audio 2 = Analog Input audio	Sets the audio source input "x" gain value	livol,1:5 ok
getlivol,x	x = 0~2 0 = All Input Audio 1 = HDMI Input Audio 2 = Analog Input audio	Query the audio source input "x" current gain value	livol,1:20!
lovol,y	y = 0 ~100	Set the analog output audio volume	lovol,50 ok
getlovol		Get the analog output audio volume	lovol,50!
livolinc,x:z	x = 1~2 1 = HDMI Input Audio 2 = Analog Input audio z= 1-100	Increase input "x" gain by "z" steps	livol,1:30 ok
livoldec,x:z	x = 1~2 1 = HDMI Input Audio 2 = Analog Input audio z = 1~100	Decrease input "x" gain by "z" steps	livol,1:10 ok
lovolinc,z	z = 0 ~100	Increase analog output volume by "z" steps	lovolinc,5 ok
lovoldec,z	z = 0 ~100	Decrease t analog output volume by "z" steps	lovoldec,5 ok

mute,z unmute,z	z = 0~3 0 = All 1 = HDMI input 2 = Analog audio input 3 = Analog audio output	mute mutes the specified port unmute unmutes the specified port	mute,1 ok unmute,2 ok
getmute,z	z = 0~3 0 = All 1 = HDMI input volume 2 = Analog audio input volume 3 = Analog audio output volume	Query mute setting	mute,1! unmute,2!
setanalog,x	x = 0~3 0 = AFV 1 = HDMI 2 = TNET Stream 3 = Dante Stream Audio x = 0~3	Set the audio source for the analog audio port when set to output direction mode.	setanalog,2 ok
getanalog		Query the analog audio source when set to output mode	setanalog,3!
setdanteaes67tx,x	x = 1-2 1 = HDMI IN Audio 2 = Analog audio in	Set the audio source for Dante/AES67 TX	setdanteaes67tx,1 ok
getdanteaes67tx		Query Dante/AES67 TX audio source	setdanteaes67tx,1!
setanalogdelay,z	z = 0~340ms	Set analog output delay. Output direction mode must be set to Ouput	setanalogdelay,10ms ok
getanalogdelay		Query the analog output delay	setanalogdelay,10ms!
Audio Setting			
seta,y	y = 0~3 0 = AFV (Audio follows active video source) 1 = TNET Audio stream 2 = Dante/AES67 stream Audio 3 = Analog Audio 4 = Local HDMI Audio	Sets HDMI output embedded Audio source	seta,2 ok
getseta		Query the decoder current HDMI output audio source	seta,2!
setaauto,z	z = on/off	Sets decoder input audio auto on/off Auto On: If analog is present(When analog port direction set to input) it has priority, if analog is no present, follow video.	setaauto,on ok
getaauto		Gets decoder input audio auto on/off	setaauto,on!
setanalogmode,z	z = 0~1 0 = Input 1 = Output	Set the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Query decoder analog direction mode	setanalogmode,1!

livol,x:z	x = 1~2 1 = HDMI Input Audio 2 = Analog Input audio	Sets the audio source input "x" gain value	livol,1:5 ok
getlivol,x	x = 0~2 0 = All Input Audio 1 = HDMI Input Audio 2 = Analog Input audio	Query the audio source input "x" current gain value	livol,1:20!
lovol,y	y = 0 ~100	Set the analog output audio volume	lovol,50 ok
getlovol		Get the analog output audio volume	lovol,50!
livolinc,x:z	x = 1~2 1 = HDMI Input Audio 2 = Analog Input audio z= 1-100	Increase input "x" gain by "z" steps	livol,1:30 ok
livoldec,x:z	x = 1~2 1 = HDMI Input Audio 2 = Analog Input audio z = 1~100	Decrease input "x" gain by "z" steps	livol,1:10 ok
lovolinc,z	z = 0 ~100	Increase analog output volume by "z" steps	lovolinc,5 ok
lovoldec,z	z = 0 ~100	Decrease t analog output volume by "z" steps	lovoldec,5 ok
mute,z		Mutes the specified port	mute,1 ok
unmute,z	z = 0~3 0 = All 1 = HDMI input 2 = Analog audio input 3 = Analog audio output	Unmutes the specified port	unmute,2 ok
getmute,z	z = 0~3 0 = All 1 = HDMI input volume 2 = Analog audio input volume 3 = Analog audio output volume	Query mute setting	mute,1! unmute,2!
setanalog,x	x = 0~3 0 = AFV 1 = HDMI 2 = TNET Stream 3 = Dante audio x = 0~3	Set the audio source for the analog audio port when set to output direction mode.	setanalog,2 ok
getanalog		Query the analog audio source when set to output mode	setanalog,3!
setanalogtype,z	z=0~1 0 = balanced audio 1 = unbalanced audio	Set the analog audio connection type to balanced or unbalanced.	{"command":"setanalogtype", "success":true,"mac":"xxx"} {"command":"setanalogtype", "success":false,"mac":"xxx"}

getanalogtype		Query decoder analog type mode	{"command":"getanalogtype", "result":{"type": "unbalanced"},"mac":"xxx"}
setanalogdelay,z	z = 0~170ms	Set the analog audio delay when set to output mode This is only for the analog output delay	{"command":"setanalogdelay ","success":true,"mac":"xxx"} {"command":"setanalogdelay ","success":false,"mac":"xxx"}
getanalogdelay		Query the andlog output delay	{"command":"getanalogdelay ","result":{"output_delay": 0},"mac":"xxx"}
USB Setting			
usbpower,z	z = on/off	Enable or diasble USB device ports power	usbpower,on ok
getusbpower		Query usb devices power status	usbpower,on!
usbkm,z	z = on/off	Enable or disable USB 1.1 keyboard and mouse support	usbkm,on ok
getusbkm		Query device USB 1.1 support status	usbkm,off!
usb2,z	z =on/off	Enable or disable USB 2.0 support	usb2,on ok
getusb2		Query device USB 2.0 support status	usb2,off!
usbgreen,z	z = on/off	Enable or disable green list	usbgreen,on ok
getusbgreen		Query the green list status	usbgreen,on!
setusbgreen:z,z,z,z,z	z = ENC IP address	Set the green list allowed ENC IP addresses.	setusbgreen:169.254.0.100,169.254.0.101,169.254.0.102 ok
getusbgreenlist		Query the green list IP addresses	setusbgreen:169.254.0.100,169.254.0.101,169.254.0.102!
mouseroam,z	z= on/off	Enable Mouse Roaming over multiple dispalays	mouseroam,on ok
getmouseroam		Query Mouse Roaming information	mouseroam,on!
mouseroamgroup,z:a,b,c,d,e....	z =IP address of mouse roaming leader a,b,c,d,e... =IP addresses of the mouse roaming followers	Roaming Leader: The DEC that you attached your keyboard and mouse for KMoIP roaming. Roaming follower: DEC that are part of the roaming setup but not“Roaming Master”.	mouseroamgroup,169.254.0.100:169.254.0.101,169.254.0.102 ok
getmouseroamgroup		Query the mouse roaming group setup.	mouseroamgroup,169.254.0.100:169.254.0.101,169.254.0.102!
Serial Setting			
irread,z	z = on/off	Enable or disable IR read function	irread,on ok
getirread		Query for the IR read suatus	irread,on!
getirreaddata		Get the IR read data	Ir reading data: xx xx xx xx
setirdelay,x		Setting the IR command delay	setirdelay,0 ok
getirdelay		Query the IR command delay	setirdelay,0!
setirrepeattime,x	x = 1~2	Setting the IR repeat time	setirrepeattime,1 ok
getirrepeattime		Query the IR repeat time	setirrepeattime,1!
setirrepeatdelay,x	x = 1~3600	Setting the IR repeat delay	setirrepeatdelay,100 ok

getirrepeatdelay		Query the IR repeat delay	setirrepeatdelay,100!
setir,x:zz	x = 1~40 zz=00 00 00... IR data	Setting the IR commands	setir,1:00 00 00 ok
getir,x	x = 0~40 0 = All IR command, 1~ 40 IR command	Query the IR command	
setser,x:y,z,a	x = 1~7 (baudrate) 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200 y = 5~8 (databit) z = 0~4 (parity) 0 = Even 1 = Mark 2 = None 3 = Odd 4 = Space a = 1-2 (stop bits) 1 = 1 2 = 2	Set serial communication port baudrate, databit,parity and stop bits.	setser,1:8,2,0 ok
getser		Query the serial port setting	setser,1,8,2,0!
setrsercustom,x,y:z	x=1~5 user defined commands No. y=name z=command data	Setting the serial custom command	setrsercustom,1,user defined:test123 ok
getsercustom,x	x=1~5 user defined commands No.	Query the serial custom command	setsercustom,1,user defined:test123!
setserformat,x:y	x = ascii/hex y = 0~3 0 = NULL 1 = CR 2 = LF 3 = CR+LF	Setting the aerial custom command format	setserformat,ascii:0 ok
getserformat		Query the custom serial command format	setserformat,ascii:0!
sendser,zz	zz=test123 Serial command	Send serial command on units serial port using configurated port settings and format setings.	sendser,test123 ok

setbaudrate,z	z=1~7 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200	Set RS232 communication port baudrate.	setbaudrate,1 ok
getir,x,z	x = 0 ~40 0 = All IR command, 1 = 40 = IR command z=00 00 00... IR data	Query the IR command	
serialpass,z	z=on/off	Enable serial passtrough in order to be able to route 1 to 1 serial path (needs to be enabled on both units)	serialpass,on ok
setserpass,zz	zz=IP address of 2nd unit	Set up direct serial route between the controlled device and a secondary device	setserpass,192.168.0.150 ok
getserialpass		Query the serial passtrough status	serialpass,on! setserpass,192.168.0.150!
irpass,z	z=on/off	Enable IR passtrough in order to be able to route 1 to 1 IR path (needs to be enabled on both units)	irpass,on ok
setirpass,zz	zz=IP address of 2nd unit	Set up direct IR route between the controlled device and a secondary device	setirpass,192.168.0.150 ok
getirpass		Query the IR passtrough status	irpass,on! setirpass,192.168.0.150!
senduserir,z	z=1~40	Send user stored IR data number "z"	senduserir,5 ok
senduserserial	z=1~5	Send user stored RS232 commands number "z"	senduserserial,2 ok
serpassdisconnect		Disconnect serial passthrough	serpassdisconnect ok
irpassdisconnect		Disconnect ir passthrough	irpassdisconnect ok
seriptunnel,z	z=on/off	Enable or disable off RS232 IP tunnel	seriptunnel,on ok
getseriptunnel		Query RS232 IP tunnel status	seriptunnel,on!
seripsshtunnel,z	z=on/off	Enable or disable RS232 IP tunnel SSH mode	seripsshtunnel,on ok
getseripsshtunnel		Query RS232 IP tunnel SSH mode status	seripsshtunnel,on!
Network Setting			
setipdhcp		Set decoder IP mode to DHCP	setipdhcp ok
setipstatic		Set decoder IP mode to Static	setipstatic ok
setip,zz	zz = xxx.xxx.xxx.xxx IP address	Set manual IP address for the decoder (sets decoder to Static IP mode)	setip,192.168.0.178 ok
setsubnet,xxx.xxx.xxx.xxx		Set manual subnet	setsubnet,255.255.255.0 ok
setgateway,xxx.xxx.xxx.xxx		Set manual default gateway	setgateway,192.168.0.1 ok
getipmode		Query ipmode status	setipdhcp!

setnetwork,x,y,z	Set network parameters x = IP~Address y = Subnet Mask z = Default Gateway	Set decoder network parameters in a single command.	setnetwork:192.168.0.178,255.255.255.0,192.168.0.1 ok
getnetwork		Query decoder network parameters	setnetwork:192.168.0.178,255.255.255.0,192.168.0.1!
getip		Query decoder current IP address	setip,192.168.0.178!
getsubnet		Query decoder current Subnet address	setsubnet,255.255.255.0!
getgateway		Query decoder current Gateway address	setgateway,192.168.0.1!
getmac		Query decoder current MAC address	mac,00:B0:D0:63:C2:24
setdns1,zz	zz = Primary DNS Address	Sets device primary DNS address	setdns1,8.8.8.8 ok
setdns2,zz	zz = Secondary DNS Address	Sets device secondary DNS address	setdns2,8.8.4.4 ok
getdns		Query DNS information	setdns1,8.8.8.8! setdns2,8.8.4.4!
setdiscovery,z	z = on/off	Enable or disable you to discover devices	setdiscovery,on ok
getdiscovery		Query the discovery status	setdiscovery,on!
getlldp		Query LLDP information	chassisid,80:CC:9C:80:0F:70! sysnameid,testswitch1! sysdesc,testmodel managed switch poe location1! portid, 0/11! portdesc, tnetport11! vlanid,112! poe,13 W!
setigmpversion,z	z = 0~1 0 = IGMP v2 (default) 1 = IGMP v3	Set device IGMP version to v.2 or v.3	setigmpversion,0 ok
getigmpversion		Query IGMP Version	setigmpversion,0!
VLAN			
vlantrunkmode,x:z	x = 1~2 1 = LAN 1 Port 2 = LAN 2 Port z = on/off	Enable or disable trunk mode	vlantrunkmode,1:on ok
getvlantrunkmode		Query VLAN trunk mode	vlantrunkmode,1:on! vlantrunkmode,2:off!
setvlantag,x:z	x = 1~2 1 = LAN 1 Port 2 = LAN 2 Port z = xxx VLAN tag (0~4095)	Set assosiated VLAN tagging for LAN 1 and LAN 2 ports	setvlantag,1:112 ok
getvlantag		Query VLAN tag for LAN 1 and LAN 2	setvlantag,1:112! setvlantag,2:20!

setvlan,n:x,y,z	n = 0~2 0 = Stream 1 = Control 2 = Dante x = VLAN ID (0~4095) y = TTL (1~255) z = DSCP value (1~255)	Associate different services with VLANs. Set desired TTL (TimeTo Live) value Set desired DSCP (Differentiated Services Code Point) value	setvlan,0:10,64,64 ok
getvlan		Query services VLAN associations	setvlan,0:10,64,64! setvlan,1:20,64,64! setvlan,2:30,64,64!
setvlanipdhcp,n	n = 0~2 0 = Stream 1 = Control 2 = Dante	Set the VLAN network IP mode to DHCP	setvlanipdhcp,0 ok
setvlanipstatic,n:x,y,z	n = 0~2 0 = Stream 1 = Control 2 = Dante x = IP Address y = Subnet Mask z = Default Gateway	Set the VLAN network IP mode to Static with given network parameters	setvlanipstatic,0:192.168.0.178,255.255.255.0,192.168.0.1 ok
getvlanipmode		Query the VLAN network IP mode	setvlanipdhcp,0! setvlanipstatic,0:192.168.0.178,255.255.255.0,192.168.0.1!
CEC Control			
cecinsend,a:b:z	a,b,z = CEC parameters	Send CEC command to HDMI In (USB-C don't support CEC)	cecin,04:44:41 ok
cecoutsend,a:b:z	a,b,z = CEC parameters	Send CEC command to HDMI Out	cecout,40:44:41 ok

cecin,x	x = 1~16 CEC Command 1 = On 2 = Off 3 = Menu 4 = Play 5 = Back 6 = Up 7 = Enter 8 = Stop 9 = Left 10 = Down 11 = Right 12 = Pause 13 = Previous 14 = Next 15 = REW 16 = FF	Send CEC preset command to HDMI IN	cecin,1 ok
cecout,y	y = 1~6 CEC Command 1 = On 2 = Off 3 = Source 4 = Mute 5 = Volume- 6 = Volume+	Send CEC preset command to HDMI Loopout	cecout,6 ok