



T-NETWORK

ASCII API

TNET-ENC-H101-DA
TNET-ENC-C211-DA
TNET-DEC-H211-DA

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Version: T-NETWORK ASCII API Rev.2

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API Information

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

Item	Value
Command ending symbol	<CR>
Feedback ending symbols	<CR><LF>
Response delimiter	!
Multiple chained command delimiter	;
Command syntax	Case-sensitive

Network ports

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

TNET-ENC-H101-DA

ASCII command reference

System

Command	Argument	Description	Response
getstatus		Returns the complete device status.	See Appendix A - getstatus response examples.
gettype		Returns the device type (encoder or decoder).	enc!
getfirmware		Returns the device firmware version.	firmware,V1.0.0!
setdevicename,zz	zz = Device name	Sets the device friendly name.	setdevicename,encoder podium ok setdevicename,decoder podium ok
getdevicename		Returns the device current friendly name.	setdevicename,encoder podium! setdevicename,decoder podium!
setdevicenamesync,x:z	x = 1-6 1 = Dante TX CH1 name 2 = Dante TX CH2 name 3 = Host name 4 = Dante RX CH1 name 5 = Dante RX CH2 name 6 = Dante name z = on/off	Sets 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		Returns the device name follow setting.	setdevicenamesync,1:on! setdevicenamesync,2:on! setdevicenamesync,3:on! setdevicenamesync,4:on! setdevicenamesync,5:on! setdevicenamesync,6:on!
sethostname,zz	zz = xxxxxx (Hostname)	Sets device custom IP hostname.	sethostname,testhostname ok
gethostname		Returns device current IP hostname.	sethostname,testhostname!
getsn		Returns the device serial number.	sn,670-05002!
getmodel		Returns the device model name.	TNET-ENC-H101-DA!
fan,z	z = on/off	Enables or disables the fan.	fan,on ok
getfan		Returns the current fan enabled/disabled state.	fan,on!
lan2poepass,z	z = on/off	Enables or disables PoE passthrough on LAN 2 port.	lan2poepass,on ok
getlan2poepass		Returns PoE passthrough on LAN 2 status.	lan2poepass,on!
lan2port,z	z = on/off	Enables or disables the LAN2 Ethernet port.	lan2port,off ok
getlan2port		Returns the current LAN2 port enabled/disabled state.	lan2port,on!
powerlow		Enables Low Power mode.	powerlow ok
poweroff		Powers off the device.	poweroff ok
poweron		Powers on the device.	poweron ok

Command	Argument	Description	Response
getpower		Returns the current power status.	poweron!
reboot		Reboots the device.	reboot ok
reset		Performs a factory reset while retaining IP settings.	reset ok
resetfull		Performs a full factory reset, including IP settings.	resetfull ok
setfanspeed,z	z = 0-5 0 = Auto 1 = Ultra Low 2 = Low 3 = Medium 4 = High 5 = Super High	Sets the fan speed.	setfanspeed,0 ok
getfanspeed		Returns the current fan speed.	setfanspeed,0!
gettemp		Returns the board temperature.	temperature,40°C!
fplock,z	z = on/off	Enables or disables the front panel lock.	fplock,on ok
getfplock		Returns the current front-panel lock status.	fplock,off!
idbutton		Simulates pressing the ID button on the device front panel.	idbutton ok
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 on for 60 s before turning off.	oled,on ok
getoled		Returns OLED display mode.	oled,on!
oledinfo,a,b,c,d,e,f,g,h	a = 0/1 0 = oled information Device Name display off 1 = oled information Device Name display on b = 0/1 0 = oled information IP Address display off 1 = oled information IP Address display on c = 0/1 0 = oled information MAC Address display off 1 = oled information MAC Address display on d = 0/1 0 = oled information Firmware Version display off 1 = oled information Firmware Version display on e = 0/1 0 = oled information Serial Number display off 1 = oled information Serial Number display on f = 0/1 0 = oled information Video Stream Number display off 1 = oled information Video Stream Number on g = 0/1 0 = oled information Resolution off 1 = oled information Resolution display on	Sets which information fields are shown on the OLED display.	oledinfo,1,1,1,0,1,0,1,1 ok

Command	Argument	Description	Response
	h = 0/1 0 = oled information Custom Text display off 1 = oled information Custom Text display on		
getoledinfo		Returns the OLED information display settings.	oledinfo,1,1,1,0,1,0,1,1!
setoledcustext,zz	zz = xxxxxx (custom text) Custom text max length 16	Sets OLED custom text.	setoledcustext,xxxxxx ok
getoledcustext		Returns OLED custom text.	setoledcustext,xxxxxx!
setoledperiod,z	1-10 s default 5 s	Sets the OLED page-change interval when more than two information items are selected.	setoledperiod,1 ok
getoledperiod		Returns the OLED page-change interval.	setoledperiod,1s!
clearlog		Clears the log history of the device.	clearlog ok
getdebug		Returns the debug log status.	debug,on!
commandlog,z	z = on/off	Sets the commands log setting to on/off.	setcommandlog,on ok
getcommandlog		Returns the commands log status.	setcommandlog,on!
startdebug		Starts the debug file logging of the device.	startdebug ok
stopdebug		Stops the debug file logging of the device.	stopdebug ok
autostatus,z	z = on/off	Enables or disables automatic UDP status reporting to the configured receiver IP address and port at the configured interval.	autostatus,on ok
getautostatus		Returns the current Auto Status enabled/disabled state.	autostatus,on!
setautostatusinter,z	z = 1-3600	Sets the time interval to send auto status updates in sec.	setautostatusinter,60 ok
getautostatusinter		Returns the configured Auto Status interval.	setautostatusinter,60!
setautostatusip,zzzzzz	zzzzzz = IP address	Sets the IP address for the auto status receiver.	setautostatusip,192.168.0.50 ok
getautostatusip		Returns the auto status receiver IP address.	setautostatusip,192.168.0.50!
setautostatusport,zzzzz	zzzzz = Port number	Sets the UDP destination port for Auto Status messages.	setautostatusport,50000 ok
getautostatusport		Returns the UDP destination port configured for Auto Status messages.	setautostatusport,50000!
ntp,z	z = on/off	Sets NTP setting enable to on/of.	setntp,on ok
getcurrenttime		Returns system current time.	currenttime:01:14:18!
getntp		Returns NTP setting status.	setntp,on!
encryption,z	z = on/off	Sets the AES256 encryption enable to on/off.	encryption,on ok
getencryption		Returns the AES256 encryption enable status.	encryption,on!
encryptioncus,z	z = on/off	Sets the AES256 encryption custom key enable status.	encryptioncus,on ok
getencryptioncus		Returns the AES256 encryption custom key enable status.	encryptioncus,on!
setencryptionmode,x	x = 1 High Security Mode x = 2 Standard Security Mode (default)	Sets the encryption mode.	setencryptionmode,1 ok

Command	Argument	Description	Response
getencryptionmode		Returns video encryption mode.	setencryptionmode,1!

Video

Command	Argument	Description	Response
multicasttraffic,z	z = on/off	Enables or disables multicast traffic on LAN2 port.	multicasttraffic,on ok
getmulticasttraffic		Returns LAN2 port multicast traffic status.	multicasttraffic,off!
setstreammode,z	x = 0-1 0 = multicast (default) 1 = unicast	Sets the device streaming mode to either Unicast or Multicast.	setstreammode,0 ok
getstreammode		Returns device current streaming mode.	setstreammode,0!
custommulticastaddress,z	z = on/off	Enables or disables custom video multicast address.	custommulticastaddress,on ok
getcustommulticastaddress		Returns custom video multicast address status.	custommulticastaddress,off!
encstream,z	z = on/off	Enables or disables encoder video and audio streams. Applies both to T-NET and Dante mode.	encstream,off ok
getencstream		Returns the streaming status of the encoder.	encstream,on!
setmulticastaddress,zz	zz = IP address (225.0.0.1-225.255.255.255)	Sets the video multicast address.	setmulticastaddress,225.0.0.1 ok
getmulticastaddress		Returns multicast address when custom multicast address on, feedback user custom address, when custom multicast address off, feedback auto address.	multicastaddress,225.0.0.2!
setstream,z	z = 0001-9999	Sets 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		Returns the stream number on encoder.	setstream,0312!
streampreview,z	z = on/off	Enables or disables preview MJPEG substream.	streampreview,on ok streampreview,off ok
getstreampreview		Returns preview status.	streampreview,on! streampreview,off!
getpreviewurl		Returns preview URL.	previewurl, http://192.168.0.200:8080/?action=stream!
setpreviewfps,z	0 = 15 1 = 20 2 = 25 3 = 30 (default)	Sets preview fps.	setpreviewfps,0 ok
getpreviewfps		Returns preview fps.	setpreviewfps,0!
setpreviewres,z	0 = 1280x720 (default) 1 = 960x540 2 = 640x360	Sets preview resolution.	setpreviewres,0 ok
getpreviewres		Returns preview resolution.	setpreviewres,0!
videomute,z	z = on/off	device transmit black image video stream.	videomute,on ok

Command	Argument	Description	Response
getvideomute		Returns the video mute status.	videomute,off!
hdmiloop,z	z = on/off	Enables or disables the HDMI loopout port.	hdmiloop,on ok
gethdmiloop		Returns the HDMI loopout port status.	hdmiloop,off!
getinputstatus		Returns the input status. in 1 = N/A in 2 = HDMI	in 1,link:n! in 2,link:n!
getinputcolor		Returns input colorspace.	inputcolor,YCbCr!
getinputfps		Returns input framerate of active source.	inputfps,60!
getinputres		Returns input resolution of active source.	inputres,3840x2160p!
setcolorspace,z	z = 0-2 0 = Auto (default) 1 = RGB 2 = YCbCr	Sets the current input colorspace.	setcolorspace,0 ok
getcolorspace		Returns colorspace setting status.	setcolorspace,0!
getcurrentedid,x	x = 1-2, 1 = N/A 2 = HDMI	Returns current EDID stored on input "x".	currentedid,1: 00 00 00...!
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@30Hz 8bit Stereo Audio 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	Sets the EDID for the HDMI input.	setedid,1:1 internal ok
setedidcopy,x:zz	x = 0-2, 0 = ALL 1 = N/A 2 = HDMI zz = xxx.xxx.xxx.xxx (Decoder IP address)	Copies Decoder EDID.	setedidcopy,1:192.168.0.102 ok
getedid		Returns the EDID setting.	edidcopy,1:192.168.0.102! setedid,2:1 internal!
setuseredid	Displays a prompt to send an EDID file.	Displays a prompt to upload a local EDID file to the device.	setuseredid ok
getuseredid		Returns the user upload EDID.	useredid: 00 00 00...!
hdcp1x,on		Sets HDMI loopout to force HDCP 1.x always on.	hdcp1x,on ok
hdcp2x,on		Sets HDMI loopout to force HDCP 2.x always on.	hdcp2x,on ok

Command	Argument	Description	Response
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		Returns HDCP compatibility.	hdcpadvertising,2:off!
hdcpfollowdisplay		Sets HDMI loopout to follow downstream device HDCP version.	hdcpfollowdisplay ok
gethdcpoutput		Returns HDMI loopout HDCP setting.	hdcpfollowdisplay!
gethdcpversion		Returns the HDMI source HDCP version.	hdcphdmiversion,2.2!
gethdcphdmi		Returns HDMI input current HDCP status.	hdcphdmi,on!

Audio

Command	Argument	Description	Response
livoldec,x:z	x = 1-3 1 = N/A 2 = HDMI 3 = Analog IN z = 1-100	Input "x" gain decrease by "z" steps.	livol,1:10 ok
livolinc,x:z	x = 1-3 1 = N/A 2 = HDMI 3 = Analog IN z = 1-100	Input "x" gain increase by "z" steps.	livol,1:30 ok
livol,x:z	x = 1-3 1 = N/A 2 = HDMI 3 = Analog IN z = 0-100	Sets the audio source input "x" gain value "z".	livol,1:5 ok
getlivol,x	x = 1-3 1 = N/A 2 = HDMI 3 = Analog IN	Returns the audio source input "x" current gain value.	livol,1:20!
lovoldec,z	z = 1-100	Analog output volume decrease by "z" steps.	lovol,10 ok
lovolinc,z	z = 1-100	Analog output volume increase by "z" steps.	lovol,30 ok
lovol,z	Analog OUT volume z = 0-100 Volume value	Sets the analog output audio volume.	lovol,50 ok
getlovol		Returns the analog output audio volume.	lovol,50!
mute,z unmute,z	z = 0-4 0 = All 1 = Stream Audio 2 = Analog IN	Mutes the specified port unmutes the specified port	mute,1 ok unmute,2 ok

Command	Argument	Description	Response
	3 = Analog OUT 4 = Dante/AES67 TX		
getmute,z	z = 0-4 0 = All 1 = Stream Audio 2 = Analog IN 3 = Analog OUT 4 = Dante/AES67 TX	Returns mute setting.	mute,1! unmute,2! mute,3! mute,4!
seta,x	x = 0-3 0 = AFV 1 = N/A 2 = HDMI 3 = Analog IN	Sets audio stream source. AFV (Audio Follow Video) use the active video source audio.	seta,3 ok
getseta		Returns the encoder selected audio stream source.	seta,3!
setaaauto,z	z = on/off	Enables or disables automatic input-audio source selection. When enabled, the analog input has priority when present; otherwise, the audio follows the active video source.	setaaauto,on ok
getaaauto		Returns device input audio auto on/off.	setaaauto,on!
setanalog,y	y = 0-4 0 = AFV (Audio Follows Active Video Source) 1 = N/A 2 = HDMI 3 = Dante/AES67 RX	Sets the audio source for the analog audio port when set to output direction mode.	setanalog,3 ok
getanalog		Returns the analog audio source when set to output mode.	setanalog,3!
setanalogdelay,z	z = 0-170 ms	Sets the analog audio delay when set to output mode This is only for the analog output delay	setanalogdelay,10ms ok
getanalogdelay		Returns the analog output delay.	setanalogdelay,10ms!
setanalogmode,z	z = 0-1 0 = in 1 = out	Sets the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Returns device analog direction mode.	setanalogmode,1!
setanalogtype,z	z = 0-1 0 = balanced audio 1 = unbalanced audio	Sets the analog audio connection type to balanced or unbalanced.	setanalogtype,0 ok
getanalogtype		Returns encoder analog type mode.	setanalogtype,1!
setstreama,x	x = 0-1 0- Audio in(depend on seta) 1- Dante/Aes67 audio out	Sets the Stream Audio source selection for TNET Audio Stream and Dante/AES67 if enabled.	setstreama,0 ok
getstreama		Returns the Stream Audio source selection.	setstreama,0!
danteaudio,z	z = on/off	Enables or disables Dante audio stream. Note: Unit will reboot automatically after command.	danteaudio,on ok
getdanteaudio		Returns device Dante audio stream status.	danteaudio,off!
danteaudiorex,z	z = on/off	Enables or disables Dante 2CH RX.	danteaudiorex,on ok
getdanteaudiorex		Returns Dante RX status.	danteaudiorex,on!

Command	Argument	Description	Response
getdanteaudiotx		Returns Dante TX status.	danteaudiotx, off!
danteaudiotx, z	z = on/off	Enables or disables Dante 2CH TX.	danteaudiotx, on ok
danteava, z	z = on/off	Enables or disables 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		Returns the device current Dante AV-A mode status.	danteava, off!
getdantelock		Returns the current Dante Lock status.	dantelock, on! dantelock, off!
dantemute, z	z = on/off	Enables or disables Dante audio mute.	dantemute, on ok
getdantemute		Returns Dante audio mute status.	dantemute, off!
getdanterxsubch		Returns Dante RX channel 1 and 2 current subscription naming.	danterxsubch, 1:test1! danterxsubch, 2:test2!
setdantename, x	x = dante name (no more than 32 letters)	Sets Dante prefix name.	setdantename, TNET-DEC-H211-DA ok setdantename, TNET-ENC-C211-DA ok setdantename, TNET-ENC-H101-DA ok
getdantename		Returns Dante name.	setdantename, TNET-DEC-H211-DA! setdantename, TNET-ENC-C211-DA! setdantename, TNET-ENC-H101-DA!
setdanterxch, x: z	x = 1-2 1 = Dante RX CH1 Name 2 = Dante RX CH2 Name z = xxxx channel name (no more than 32 letters)	Sets Dante RX channel 1 and 2 custom naming. Note: Naming must follow conventional Domain Name System (DNS) hostname rules	setdanterxch, 1:test1 ok setdanterxch, 2:test2 ok
getdanterxch		Returns Dante RX channel 1 and 2 current naming.	setdanterxch, 1:test1! setdanterxch, 2:test2!
setdantetxch, x: z	x = 1-2 1 = Dante TX CH1 Name 2 = Dante TX CH2 Name z = xxxx channel name (no more than 32 letters)	Sets 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		Returns Dante TX channel 1 and 2 current naming.	setdantetxch, 1:test1! setdantetxch, 2:test2!
aes67, z	z = on/off	Enables or disables Dante AES67. Enabling AES67 will disable Dante functionality.	aes67, on ok
getaes67		Returns the device current AES67 status.	aes67, on!
setaes67recvconn, zz	zz = IP address	Sets the IP address of the AES67 RX device.	setaes67recvconn, 192.168.100.39 ok
getaes67recvconn		Returns the device current AES67 RX IP address.	setaes67recvconn, 192.168.100.39!

USB

Command	Argument	Description	Response
usbhost, z	z = on/off	Enables or disables USB Host ability for encoder.	usbhost, on ok
getusbhost		Returns encoder USB Host enable/disable status.	usbhost, on! usbhost, off!

Control

Command	Argument	Description	Response
sendser,zz	zz = test123 Serial command	Sends serial command on units serial port using configured port settings and format settings.	sendser,test123 ok
senduserserial,z	z = 1-5	Sends user stored RS-232 commands number "z".	senduserserial,2 ok
serialpass,z	z = on/off	Enables serial passthrough in order to be able to route 1 to 1 serial path (needs to be enabled on both units).	serialpass,on ok
getserialpass		Returns the serial passthrough status.	serialpass,on! setserpass,192.168.0.150!
seripsshtunnel,z	z = on/off	Enables or disables RS-232 IP tunnel SSH mode.	seripsshtunnel,on ok
getseripsshtunnel		Returns RS-232 IP tunnel SSH mode status.	seripsshtunnel,on!
seriptunnel,z	z = on/off	Enables or disables off RS-232 IP tunnel.	seriptunnel,on ok
getseriptunnel		Returns RS-232 IP tunnel status.	seriptunnel,on!
serpassdisconnect		Disconnects serial passthrough.	serpassdisconnect ok
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	Sets serial communication port baudrate, databit,parity and stop bits.	setser,1,8,2,1 ok
setbaudrate,z	z = 1-7 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200	Sets RS-232 communication port baudrate.	setbaudrate,1 ok
getser		Returns the serial port setting.	setser,1,8,2,1!
setsercustom,x,y:z	x = 1-5 user defined commands No. y = name z = command data	Sets the serial custom command.	setsercustom,1,user defined:test123 ok
getsercustom,x	x = 1-5 user defined commands No.	Returns the serial custom command.	setsercustom,1,user defined:test123!

Command	Argument	Description	Response
setserformat,x:y	x = ascii/hex y = 0-3 0 = NULL 1 = CR 2 = LF 3 = CR+LF	Sets the aerial custom command format.	setserformat,ascii:0 ok
getserformat		Returns the custom serial command format.	setserformat,ascii:0!
setserpass,zz	zz = IP address of 2nd unit	Sets up direct serial route between the controlled device and a secondary device.	setserpass,192.168.0.150 ok
irpass,z	z = on/off	Enables IR passthrough 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	Sets up direct IR route between the controlled device and a secondary device.	setirpass,192.168.0.150 ok
getirpass		Returns the IR passthrough status and IP address of 2nd unit.	irpass,on! setirpass,192.168.0.150!
setir,x:zz	x = 1-60 zz = 00 00 00... IR data	Sets the IR commands.	setir,1:00 00 00 ok
getir,x	x = 0-60 0 = All IR command, 1-60 IR command	Returns the IR command.	IR 1:00 00 00!
irpassdisconnect		Disconnects ir passthrough.	irpassdisconnect ok
irread,z	z = on/off	Enables or disables IR read function.	irread,on ok
getirread		Returns the IR read status.	irread,on!
getirreaddata		Returns the IR read data.	IR read data: xx xx xx xx!
setirrepeatdelay,x	x = 1-3600	Sets the IR repeat delay.	setirrepeatdelay,100 ok
getirrepeatdelay		Returns the IR repeat delay.	setirrepeatdelay,100!
setirrepeattime,x	x = 1-2	Sets the IR repeat time.	setirrepeattime,1 ok
getirrepeattime		Returns the IR repeat time.	setirrepeattime,1!
sendcustomir,zzzzzzz	zz = 00 00 00... IR data	Sends custom IR data.	sendcustomir,zzzzzzz ok
senduserir,z	z = 1-60	Sends user stored IR data number "z".	senduserir,5 ok
setirdelay,x	x = 1-3600	Sets the IR command delay.	setirdelay,0 ok
getirdelay		Returns the IR command delay.	setirdelay,0!
cecinsend,a:b:z	a,b,z = CEC parameters	Sends CEC command to HDMI In (USB-C does not support CEC)	cecin,04:44:41 ok
cecin,x	x = 1-16 CEC Command 1 = On 2 = Off 3 = Menu 4 = Play 5 = Back 6 = Up 7 = Enter 8 = Stop	Sends CEC preset command to HDMI IN.	cecin,1 ok

Command	Argument	Description	Response
	9 = Left 10 = Down 11 = Right 12 = Pause 13 = Previous 14 = Next 15 = REW 16 = FF		
cecoutsend,a:b:z	a,b,z = CEC parameters	Sends CEC command to HDMI Out.	cecout,40:44:41 ok
cecout,y	y = 1-6 CEC Command 1 = On 2 = Off 3 = Source 4 = Mute 5 = Volume- 6 = Volume+	Sends CEC preset command to HDMI Loopout.	cecout,6 ok
triggercommand,z	z = on/off	Sets trigger commands settings to on/off.	triggercommand,on ok
gettriggercommand		Returns trigger commands status.	triggercommand,on!

Network

Command	Argument	Description	Response
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		Returns DNS information.	setdns1,8.8.8.8! setdns2,8.8.4.4!
setgateway,xxx.xxx.xxx.xxx		Sets manual default gateway.	setgateway,192.168.0.1 ok
getgateway		Returns device current Gateway address.	setgateway,192.168.0.1!
setip,zz	zz = xxx.xxx.xxx.xxx IP address	Sets manual IP address for the encoder (sets device to Static IP mode).	setip,192.168.0.178 ok
getip		Returns device current IP address.	setip,192.168.0.178!
setipdhcp		Sets device IP mode to DHCP.	setipdhcp ok
getipmode		Returns ipmode status.	setipdhcp!
setipstatic		Sets device IP mode to Static.	setipstatic ok
setnetwork,x,y,z	Set network parameters x = IP address y = Subnet Mask z = Default Gateway	Sets device network parameters in a single command.	setnetwork,192.168.0.178,255.255.255.0,192.168.0.1 ok
getnetwork		Returns the device IP address, subnet mask, and default gateway.	setnetwork,192.168.0.178,255.255.255.0,192.168.0.1!
setsubnet,xxx.xxx.xxx.xxx		Sets manual subnet.	setsubnet,255.255.255.0 ok
getsubnet		Returns device current Subnet address.	setsubnet,255.255.255.0!

Command	Argument	Description	Response
setigmpversion,z	z = 0-1 0 = IGMP v2 (default) 1 = IGMP v3	Sets device IGMP version to v.2 or v.3.	setigmpversion,0 ok
getigmpversion		Returns IGMP Version.	setigmpversion,0!
discovery,z	z = on/off	Enables or disables Multicast Discovery (Bonjour).	discovery,on ok
getdiscovery		Returns the discovery status.	discovery,on!
getlldp		Returns 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!
getmac		Returns device current MAC address.	mac,00:B0:D0:63:C2:24!
setdiscoveryinter,z	z = 1-3600	Sets custom discovery interval in sec.	setdiscoveryinter,60 ok
getdiscoveryinter		Returns the discovery package send interval.	setdiscoveryinter,60!
servicesvlanmode,x:z	x = 0-3 0 = All 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = on/off	Enables or disables stream/control/Dante services VLAN mode.	servicesvlanmode,1:on ok servicesvlanmode,2:on ok servicesvlanmode,3:on ok
getservicesvlanmode		Returns stream/control/Dante services VLAN mode status.	servicesvlanmode,1:on! servicesvlanmode,2:on! servicesvlanmode,3:on!
setpvid,x:z	x = 0-2 0 = All 1 = LAN 1 2 = LAN 2 z = xxx VLAN (2-4094)	Sets associated PVID (Port VLAN ID) for LAN 1 and LAN 2 ports.	setpvid,1:112 ok
getpvid		Returns PVID settings for LAN 1 and LAN 2.	setpvid,1:112! setpvid,2:20!
setservicesdscp,n:z	n = 0-3 0 = All VLANs 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = 0-63, DSCP value	Sets the desired DSCP value.	setservicesdscp,1:46 ok setservicesdscp,2:46 ok setservicesdscp,3:46 ok
getservicesdscp		Returns all services VLANs DSCP values.	setservicesdscp,1:46! setservicesdscp,2:46! setservicesdscp,3:46!
setservicesipdhcp,n	n = 0-3 0 = All 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN	Sets the VLAN network IP mode to DHCP.	setservicesipdhcp,1 ok setservicesipdhcp,2 ok setservicesipdhcp,3 ok

Command	Argument	Description	Response
setservicesipstatic,n:x,y,z	n = 1-3 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN x = IP Address y = Subnet Mask z = Default Gateway	Sets the VLAN network IP mode to Static with given network parameters.	setservicesipstatic,1:192.168.100.100,255.255.255.0,192.168.100.1 ok setservicesipstatic,2:192.168.200.100,255.255.255.0,192.168.100.1 ok setservicesipstatic,3:192.168.300.100,255.255.255.0,192.168.100.1 ok
getservicesip		Returns all services VLAN network IP settings.	setservicesipdhcp,1! setservicesipdhcp,2! setservicesipstatic,3:192.168.300.100,255.255.255.0,192.168.100.1!
setservicesttl,n:z	n = 0-3 0 = All VLANs 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = 1-255, TTL value	Sets the desired TTL value.	setservicesttl,1:64 ok setservicesttl,2:64 ok setservicesttl,3:64 ok
getservicesttl		Returns all services VLANs TTL values.	setservicesttl,1:64! setservicesttl,2:64! setservicesttl,3:64!
setservicesvlan,n:x,y,z,a	n = 1-3 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN x = VLAN ID (1-4094) y = 0-2 Bridge Mode 0 = LAN 1 + LAN 2 1 = LAN 1 2 = LAN 2 z = 0-1 , LAN 1 Tagged/ Untagged 0 = Untagged 1 = Tagged a = 0-1 , LAN 2 Tagged/ Untagged 0 = Untagged 1 = Tagged	Associate different services with VLANs. Set LAN Bridge mode Set LAN 1/LAN 2 Tagged/Untagged mode Set desired TTL (TimeTo Live) value Set desired DSCP (Differentiated Services Code Point) value	setservicesvlan,1:10,0,0,0 ok
getservicesvlan		Returns services VLAN full settings.	setservicesvlan,1:10,0,0,0! setservicesvlan,2:20,0,1,1! setservicesvlan,3:30,0,1,1!
dot1x,n:z	n = 0-2 0 = All 1 = LAN 1 2 = LAN 2 z = on/off	Sets dot1x LAN1/LAN2 settings status to on/off.	dot1x,1:on ok
getdot1x		Returns dot1x LAN1/LAN2 settings status.	dot1x,1:on! dot1x,2:on!
https,z	z = on/off	Sets HTTPS settings status to on/off.	https,on ok
gethttps		Returns HTTPS settings status.	https,on!

Command	Argument	Description	Response
httpsmode,x	x = 0-1 0 = Internal Certificate 1 = Server Certificate	Sets HTTPS settings mode.	sethttpsmode,0 ok
gethttpsmode		Returns HTTPS settings mode.	sethttpsmode,0!
ldap,z	z = on/off	Sets LDAP settings status to on/off.	ldap,on ok
getldap		Returns LDAP settings status.	ldap,on!
mqtt,z	z = on/off	Sets MQTT settings status to on/off.	mqtt,on ok
getmqtt		Returns MQTT settings status.	mqtt,on!
snmp,z	z = on/off	Sets SNMP settings status to on/off.	snmp,on ok
getsnmp		Returns SNMP settings status.	snmp,on!
ssh,z	z = on/off	Sets SSH settings status to on/off.	ssh,on ok
getssh		Returns SSH settings status.	ssh,on!

TNET-ENC-C211-DA

ASCII command reference

System

Command	Argument	Description	Response
getstatus		Returns the complete device status.	See Appendix A - getstatus response examples.
gettype		Returns the device type (encoder or decoder).	enc!
getfirmware		Returns the device firmware version.	firmware,V1.0.0!
setdevicename,zz	zz = Device name	Sets the device friendly name.	setdevicename,encoder podium ok setdevicename,decoder podium ok
getdevicename		Returns the device current friendly name.	setdevicename,encoder podium! setdevicename,decoder podium!
setdevicenamesync,x:z	x = 1-6 1 = Dante TX CH1 name 2 = Dante TX CH2 name 3 = Host name 4 = Dante RX CH1 name 5 = Dante RX CH2 name 6 = Dante name z = on/off	Sets 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		Returns the device name follow setting.	setdevicenamesync,1:on! setdevicenamesync,2:on! setdevicenamesync,3:on! setdevicenamesync,4:on! setdevicenamesync,5:on! setdevicenamesync,6:on!
sethostname,zz	zz = xxxxxx (Hostname)	Sets device custom IP hostname.	sethostname,testhostname ok
gethostname		Returns device current IP hostname.	sethostname,testhostname!
getsn		Returns the device serial number.	sn,670-05002!
getmodel		Returns the device model name.	TNET-ENC-C211-DA!
fan,z	z = on/off	Enables or disables the fan.	fan,on ok
getfan		Returns the current fan enabled/disabled state.	fan,on!
lan2poepass,z	z = on/off	Enables or disables PoE passthrough on LAN 2 port.	lan2poepass,on ok
getlan2poepass		Returns PoE passthrough on LAN 2 status.	lan2poepass,on!
lan2port,z	z = on/off	Enables or disables the LAN2 Ethernet port.	lan2port,off ok
getlan2port		Returns the current LAN2 port enabled/disabled state.	lan2port,on!
powerlow		Enables Low Power mode.	powerlow ok
poweroff		Powers off the device.	poweroff ok
poweron		Powers on the device.	poweron ok

Command	Argument	Description	Response
getpower		Returns the current power status.	poweron!
reboot		Reboots the device.	reboot ok
reset		Performs a factory reset while retaining IP settings.	reset ok
resetfull		Performs a full factory reset, including IP settings.	resetfull ok
setfanspeed,z	z = 0-5 0 = Auto 1 = Ultra Low 2 = Low 3 = Medium 4 = High 5 = Super High	Sets the fan speed.	setfanspeed,0 ok
getfanspeed		Returns the current fan speed.	setfanspeed,0!
gettemp		Returns the board temperature.	temperature,40°C!
fplock,z	z = on/off	Enables or disables the front panel lock.	fplock,on ok
getfplock		Returns the current front-panel lock status.	fplock,off!
idbutton		Simulates pressing the ID button on the device front panel.	idbutton ok
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 on for 60 s before turning off.	oled,on ok
getoled		Returns OLED display mode.	oled,on!
oledinfo,a,b,c,d,e,f,g,h	a = 0/1 0 = oled information Device Name display off 1 = oled information Device Name display on b = 0/1 0 = oled information IP Address display off 1 = oled information IP Address display on c = 0/1 0 = oled information MAC Address display off 1 = oled information MAC Address display on d = 0/1 0 = oled information Firmware Version display off 1 = oled information Firmware Version display on e = 0/1 0 = oled information Serial Number display off 1 = oled information Serial Number display on f = 0/1 0 = oled information Video Stream Number display off 1 = oled information Video Stream Number on g = 0/1 0 = oled information Resolution off 1 = oled information Resolution display on	Sets which information fields are shown on the OLED display.	oledinfo,1,1,1,0,1,0,1,1 ok

Command	Argument	Description	Response
	h = 0/1 0 = oled information Custom Text display off 1 = oled information Custom Text display on		
getoledinfo		Returns the OLED information display settings.	oledinfo,1,1,1,0,1,0,1,1!
setoledcustext,zz	zz = xxxxxx (custom text) Custom text max length 16	Sets OLED custom text.	setoledcustext,xxxxxx ok
getoledcustext		Returns OLED custom text.	setoledcustext,xxxxxx!
setoledperiod,z	1-10 s default 5 s	Sets the OLED page-change interval when more than two information items are selected.	setoledperiod,1 ok
getoledperiod		Returns the OLED page-change interval.	setoledperiod,1s!
clearlog		Clears the log history of the device.	clearlog ok
getdebug		Returns the debug log status.	debug,on!
commandlog,z	z = on/off	Sets the commands log setting to on/off.	setcommandlog,on ok
getcommandlog		Returns the commands log status.	setcommandlog,on!
startdebug		Starts the debug file logging of the device.	startdebug ok
stopdebug		Stops the debug file logging of the device.	stopdebug ok
autostatus,z	z = on/off	Enables or disables automatic UDP status reporting to the configured receiver IP address and port at the configured interval.	autostatus,on ok
getautostatus		Returns the current Auto Status enabled/disabled state.	autostatus,on!
setautostatusinter,z	z = 1-3600	Sets the time interval to send auto status updates in sec.	setautostatusinter,60 ok
getautostatusinter		Returns the configured Auto Status interval.	setautostatusinter,60!
setautostatusip,zzzzzz	zzzzzz = IP address	Sets the IP address for the auto status receiver.	setautostatusip,192.168.0.50 ok
getautostatusip		Returns the auto status receiver IP address.	setautostatusip,192.168.0.50!
setautostatusport,zzzzz	zzzzz = Port number	Sets the UDP destination port for Auto Status messages.	setautostatusport,50000 ok
getautostatusport		Returns the UDP destination port configured for Auto Status messages.	setautostatusport,50000!
ntp,z	z = on/off	Sets NTP setting enable to on/of.	setntp,on ok
getcurrenttime		Returns system current time.	currenttime:01:14:18!
getntp		Returns NTP setting status.	setntp,on!
encryption,z	z = on/off	Sets the AES256 encryption enable to on/off.	encryption,on ok
getencryption		Returns the AES256 encryption enable status.	encryption,on!
encryptioncus,z	z = on/off	Sets the AES256 encryption custom key enable status.	encryptioncus,on ok
getencryptioncus		Returns the AES256 encryption custom key enable status.	encryptioncus,on!
setencryptionmode,x	x = 1 High Security Mode x = 2 Standard Security Mode (default)	Sets the encryption mode.	setencryptionmode,1 ok

Command	Argument	Description	Response
getencryptionmode		Returns video encryption mode.	setencryptionmode,1!

Video

Command	Argument	Description	Response
multicasttraffic,z	z = on/off	Enables or disables multicast traffic on LAN2 port.	multicasttraffic,on ok
getmulticasttraffic		Returns LAN2 port multicast traffic status.	multicasttraffic,off!
setstreammode,z	x = 0-1 0 = multicast (default) 1 = unicast	Sets the device streaming mode to either Unicast or Multicast.	setstreammode,0 ok
getstreammode		Returns device current streaming mode.	setstreammode,0!
custommulticastaddress,z	z = on/off	Enables or disables custom video multicast address.	custommulticastaddress,on ok
getcustommulticastaddress		Returns custom video multicast address status.	custommulticastaddress,off!
encstream,z	z = on/off	Enables or disables encoder video and audio streams. Applies both to T-NET and Dante mode.	encstream,off ok
getencstream		Returns the streaming status of the encoder.	encstream,on!
setmulticastaddress,zz	zz = IP address (225.0.0.1-225.255.255.255)	Sets the video multicast address.	setmulticastaddress,225.0.0.1 ok
getmulticastaddress		Returns multicast address when custom multicast address on, feedback user custom address, when custom multicast address off, feedback auto address.	multicastaddress,225.0.0.2!
setstream,z	z = 0001-9999	Sets 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		Returns the stream number on encoder.	setstream,0312!
streampreview,z	z = on/off	Enables or disables preview MJPEG substream.	streampreview,on ok streampreview,off ok
getstreampreview		Returns preview status.	streampreview,on! streampreview,off!
getpreviewurl		Returns preview URL.	previewurl, http://192.168.0.200:8080/?action=stream!
setpreviewfps,z	0 = 15 1 = 20 2 = 25 3 = 30 (default)	Sets preview fps.	setpreviewfps,0 ok
getpreviewfps		Returns preview fps.	setpreviewfps,0!
setpreviewres,z	0 = 1280x720 (default) 1 = 960x540 2 = 640x360	Sets preview resolution.	setpreviewres,0 ok
getpreviewres		Returns preview resolution.	setpreviewres,0!
autoswitch,z	z = on/off	Enables or disables device input autoswitching.	autoswitch,on ok

Command	Argument	Description	Response
getautoswitch		Returns device autoswitch mode.	autoswitch,on!
videomute,z	z = on/off	device transmit black image video stream.	videomute,on ok
getvideomute		Returns the video mute status.	videomute,off!
hdmiloop,z	z = on/off	Enables or disables the HDMI loopout port.	hdmiloop,on ok
gethdmiloop		Returns the HDMI loopout port status.	hdmiloop,off!
getinputstatus		Returns inputs status. in 1=USB-C (only for ENC-C211) in 2=HDMI	in 1,link:n! in 2,link:n!
getinputcolor		Returns input colorspace.	inputcolor,YCbCr!
getinputfps		Returns input framerate of active source.	inputfps,60!
getinputres		Returns input resolution of active source.	inputres,3840x2160p!
set,x	x = 1-2 1 = USB-C 2 = HDMI	Sets encoder input source "x" to video stream.	set,1 ok
getset		Returns the device selected video stream source.	set,1!
setautoswitchdetect,z	z = 0-1 0 = 5V, 1 = TMDS+5V (default)	Sets the source auto switch detect mode.	setautoswitchdetect,0 ok
getautoswitchdetect		Returns the auto switch detect mode.	setautoswitchdetect,0!
setautoswitchprio,z	z = 0-2 0 = Last connect (default) 1 = Prio USB-C, HDMI 2 = Prio HDMI, USB-C	Sets the input autoswitching priority.	setautoswitchprio,0 ok
getautoswitchprio		Returns the autoswitching priority setting.	setautoswitchprio,0!
setcolorspace,z	z = 0-2 0 = Auto (default) 1 = RGB 2 = YCbCr	Sets the current input colorspace.	setcolorspace,0 ok
getcolorspace		Returns colorspace setting status.	setcolorspace,0!
getcurrentedid,x	x = 1-2, 1 = USB-C(only for ENC-C211) 2 = HDMI	Returns current EDID stored on input "x".	currentedid,1: 00 00 00...!
setedid,x:z	x = 1-2 1 = USB-C(only for ENC-C211) 2 = HDMI zz = 1-9 1 = 1920x1080@60 8bit Stereo 2 = 1920x1080@60 8bit High Definition Audio 3 = 3840x2160@30Hz 8bit Stereo Audio 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	Sets HDMI and/or USB-C input EDID.	setedid,1:1 internal ok

Command	Argument	Description	Response
	7 = 3840x2160@60Hz Deep Color High Definition Audio 8 = 3840x2160@60Hz Deep Color HDR LPCM 6CH 9 = User Defined		
setedidcopy,x:zz	x = 0-2, 0 = ALL 1 = USB-C (only for ENC-C211) 2 = HDMI zz = xxx.xxx.xxx.xxx (Decoder IP address)	Copies Decoder EDID.	setedidcopy,1:192.168.0.102 ok
getedid		Returns the EDID setting.	edidcopy,1:192.168.0.102! setedid,2:1 internal!
setuseredid	Displays a prompt to send an EDID file.	Displays a prompt to upload a local EDID file to the device.	setuseredid ok
getuseredid		Returns the user upload EDID.	useredid: 00 00 00...!
hdcp1x,on		Sets HDMI loopout to force HDCP 1.x always on.	hdcp1x,on ok
hdcp2x,on		Sets HDMI loopout to force HDCP 2.x always on.	hdcp2x,on ok
hdcpadvertising,x:z	x = 0-2 0 = All inputs 1 = USB-C (only for ENC-C211) 2 = HDMI z = on/off	Sets the HDCP compatibility on or off for input "x".	hdcpadvertising,1:on ok hdcpadvertising,2:on ok
gethdcpadvertising		Returns HDCP compatibility.	hdcpadvertising,1:on! hdcpadvertising,2:off!
hdcpfollowdisplay		Sets HDMI loopout to follow downstream device HDCP version.	hdcpfollowdisplay ok
gethdcpoutput		Returns HDMI loopout HDCP setting.	hdcpfollowdisplay!
gethdcpversion		Returns USB-C (only for ENC-C211) and HDMI source HDCP version.	hdcpdmiversion,2.2! hdcpusbcversion,2.2!
gethdcpusbc		Returns USB-C input current HDCP status.	hdcpusbc,off!
gethdcpdmi		Returns HDMI input current HDCP status.	hdcpdmi,on!
nosourceimage,z	z = on/off	Enables or disables no source image.	nosourceimage,on ok
getnosourceimage		Returns the no source image status.	nosourceimage,on!
playlist,z	z = on/off	Enables or disables playlist function.	playlist,on ok
getplaylist		Returns the playlist status.	playlist,on!
setplaylistimage,x,y,z	x = 1-5 Image number y = image name z = duration time 0-3600 s	Sets the playlist image.	setplaylistimage,1,test1.jpg,1 ok
getplaylistimage,x	x = 1-5 Image number	Returns the playlist image.	setplaylistimage,1,test1.jpg,1!

Audio

Command	Argument	Description	Response
livoldec,x:z	x = 1-3 1 = USB-C (only for ENC-C211) 2 = HDMI 3 = Analog IN z = 1-100	Input "x" gain decrease by "z" steps.	livol,1:10 ok
livolinc,x:z	x = 1-3 1 = USB-C (only for ENC-C211) 2 = HDMI 3 = Analog IN z = 1-100	Input "x" gain increase by "z" steps.	livol,1:30 ok
livol,x:z	x = 1-3 1 = USB-C (only for ENC-C211) 2 = HDMI 3 = Analog IN z = 0-100	Sets the audio source input "x" gain value "z".	livol,1:5 ok
getlivol,x	x = 1-3 1 = USB-C (only for ENC-C211) 2 = HDMI 3 = Analog IN	Returns the audio source input "x" current gain value.	livol,1:20!
lovoldec,z	z = 1-100	Analog output volume decrease by "z" steps.	lovol,10 ok
lovolinc,z	z = 1-100	Analog output volume increase by "z" steps.	lovol,30 ok
lovol,z	Analog OUT volume z = 0-100 Volume value	Sets the analog output audio volume.	lovol,50 ok
getlovol		Returns the analog output audio volume.	lovol,50!
mute,z unmute,z	z = 0-4 0 = All 1 = Stream Audio 2 = Analog IN 3 = Analog OUT 4 = Dante/AES67 TX	Mutes the specified port unmutes the specified port	mute,1 ok unmute,2 ok
getmute,z	z = 0-4 0 = All 1 = Stream Audio 2 = Analog IN 3 = Analog OUT 4 = Dante/AES67 TX	Returns mute setting.	mute,1! unmute,2! mute,3! mute,4!
seta,x	x = 0-3 0 = AFV 1 = USB-C (only for ENC-C211) 2 = HDMI 3 = Analog IN	Sets audio stream source. AFV (Audio Follow Video) use the active video source audio.	seta,3 ok
getseta		Returns the encoder selected audio stream source.	seta,3!
setaauto,z	z = on/off	Enables or disables automatic input-audio source selection. When enabled, the analog input has priority when present; otherwise, the audio follows the active video source.	setaauto,on ok
getaauto		Returns device input audio auto on/off.	setaauto,on!

Command	Argument	Description	Response
setanalog,y	y = 0-4 0 = AFV (Audio Follows Active Video Source) 1 = USB-C(only for ENC-C211) 2 = HDMI 3 = Dante/AES67 RX	Sets the audio source for the analog audio port when set to output direction mode.	setanalog,3 ok
getanalog		Returns the analog audio source when set to output mode.	setanalog,3!
setanalogdelay,z	z = 0-170 ms	Sets the analog audio delay when set to output mode This is only for the analog output delay	setanalogdelay,10ms ok
getanalogdelay		Returns the analog output delay.	setanalogdelay,10ms!
setanalogmode,z	z = 0-1 0 = in 1 = out	Sets the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Returns device analog direction mode.	setanalogmode,1!
setanalogtype,z	z = 0-1 0 = balanced audio 1 = unbalanced audio	Sets the analog audio connection type to balanced or unbalanced.	setanalogtype,0 ok
getanalogtype		Returns encoder analog type mode.	setanalogtype,1!
setstreama,x	x = 0-1 0- Audio in(depend on seta) 1- Dante/Aes67 audio out	Sets the Stream Audio source selection for TNET Audio Stream and Dante/AES67 if enabled.	setstreama,0 ok
getstreama		Returns the Stream Audio source selection.	setstreama,0!
danteaudio,z	z = on/off	Enables or disables Dante audio stream. Note: Unit will reboot automatically after command.	danteaudio,on ok
getdanteaudio		Returns device Dante audio stream status.	danteaudio,off!
danteaudiorex,z	z = on/off	Enables or disables Dante 2CH RX.	danteaudiorex,on ok
getdanteaudiorex		Returns Dante RX status.	danteaudiorex,on!
getdanteaudiotx		Returns Dante TX status.	danteaudiotx,off!
danteaudiotx,z	z = on/off	Enables or disables Dante 2CH TX.	danteaudiotx,on ok
danteava,z	z = on/off	Enables or disables 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		Returns the device current Dante AV-A mode status.	danteava,off!
getdantelock		Returns the current Dante Lock status.	dantelock,on! dantelock,off!
dantemute,z	z = on/off	Enables or disables Dante audio mute.	dantemute,on ok
getdantemute		Returns Dante audio mute status.	dantemute,off!
getdantersubch		Returns Dante RX channel 1 and 2 current subscription naming.	dantersubch,1:test1! dantersubch,2:test2!
setdantenname,x	x = dante name(no more than 32 letters)	Sets Dante prefix name.	setdantenname,TNET-DEC-H211-DA ok setdantenname,TNET-ENC-C211-DA ok setdantenname,TNET-ENC-H101-DA ok

Command	Argument	Description	Response
getdantenname		Returns Dante name.	setdantenname,TNET-DEC-H211-DA! setdantenname,TNET-ENC-C211-DA! setdantenname,TNET-ENC-H101-DA!
setdanterxch,x:z	x = 1-2 1 = Dante RX CH1 Name 2 = Dante RX CH2 Name z = xxxx channel name(no more than 32 letters)	Sets Dante RX channel 1 and 2 custom naming. Note: Naming must follow conventional Domain Name System (DNS) hostname rules	setdanterxch,1:test1 ok setdanterxch,2:test2 ok
getdanterxch		Returns Dante RX channel 1 and 2 current naming.	setdanterxch,1:test1! setdanterxch,2:test2!
setdantetxch,x:z	x = 1-2 1 = Dante TX CH1 Name 2 = Dante TX CH2 Name z = xxxx channel name(no more than 32 letters)	Sets 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		Returns Dante TX channel 1 and 2 current naming.	setdantetxch,1:test1! setdantetxch,2:test2!
aes67,z	z = on/off	Enables or disables Dante AES67.Enabling AES67 will disable Dante functionality.	aes67,on ok
getaes67		Returns the device current AES67 status.	aes67,on!
setaes67recvconn,zz	zz = IP address	Sets the IP address of the AES67 RX device.	setaes67recvconn,192.168.100.39 ok
getaes67recvconn		Returns the device current AES67 RX IP address.	setaes67recvconn,192.168.100.39!

USB

Command	Argument	Description	Response
usbhost,z	z = on/off	Enables or disables USB Host ability for encoder.	usbhost,on ok
getusbhost		Returns encoder USB Host enable/disable status.	usbhost,on! usbhost,off!
setusbhostsource,x	x = 0-2 0 = Auto 1 = USB-C 2 = HDMI	Sets encoder USB Host input video port association.	setusbhostsource,0 ok
getusbhostsource		Returns current active USB Host.	setusbhostsource,1!
usbcpower,z	z = on/off	Enables or disables charging on the USB-C input.	usbcpower,off ok
getusbcpower		Returns USB-C charging status.	usbcpower,on!

Control

Command	Argument	Description	Response
sendser,zz	zz = test123 Serial command	Sends serial command on units serial port using configured port settings and format settings.	sendser,test123 ok
senduserserial,z	z = 1-5	Sends user stored RS-232 commands number "z".	senduserserial,2 ok

Command	Argument	Description	Response
serialpass,z	z = on/off	Enables serial passthrough in order to be able to route 1 to 1 serial path (needs to be enabled on both units).	serialpass,on ok
getserialpass		Returns the serial passthrough status.	serialpass,on! setserpass,192.168.0.150!
seripsshtunnel,z	z = on/off	Enables or disables RS-232 IP tunnel SSH mode.	seripsshtunnel,on ok
getseripsshtunnel		Returns RS-232 IP tunnel SSH mode status.	seripsshtunnel,on!
seriptunnel,z	z = on/off	Enables or disables off RS-232 IP tunnel.	seriptunnel,on ok
getseriptunnel		Returns RS-232 IP tunnel status.	seriptunnel,on!
serpassdisconnect		Disconnects serial passthrough.	serpassdisconnect ok
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	Sets serial communication port baudrate, databit,parity and stop bits.	setser,1,8,2,1 ok
setbaudrate,z	z = 1-7 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200	Sets RS-232 communication port baudrate.	setbaudrate,1 ok
getser		Returns the serial port setting.	setser,1,8,2,1!
setsercustom,x,y:z	x = 1-5 user defined commands No. y = name z = command data	Sets the serial custom command.	setsercustom,1,user defined:test123 ok
getsercustom,x	x = 1-5 user defined commands No.	Returns 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	Sets the aerial custom command format.	setserformat,ascii:0 ok
getserformat		Returns the custom serial command format.	setserformat,ascii:0!
setserpass,zz	zz = IP address of 2nd unit	Sets up direct serial route between the controlled device and a secondary device.	setserpass,192.168.0.150 ok

Command	Argument	Description	Response
irpass,z	z = on/off	Enables IR passthrough 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	Sets up direct IR route between the controlled device and a secondary device.	setirpass,192.168.0.150 ok
getirpass		Returns the IR passthrough status and IP address of 2nd unit.	irpass,on! setirpass,192.168.0.150!
setir,x:zz	x = 1-60 zz = 00 00 00... IR data	Sets the IR commands.	setir,1:00 00 00 ok
getir,x	x = 0-60 0 = All IR command, 1-60 IR command	Returns the IR command.	IR 1:00 00 00!
irpassdisconnect		Disconnects ir passthrough.	irpassdisconnect ok
irread,z	z = on/off	Enables or disables IR read function.	irread,on ok
getirread		Returns the IR read status.	irread,on!
getirreaddata		Returns the IR read data.	IR read data: xx xx xx xx!
setirrepeatdelay,x	x = 1-3600	Sets the IR repeat delay.	setirrepeatdelay,100 ok
getirrepeatdelay		Returns the IR repeat delay.	setirrepeatdelay,100!
setirrepeattime,x	x = 1-2	Sets the IR repeat time.	setirrepeattime,1 ok
getirrepeattime		Returns the IR repeat time.	setirrepeattime,1!
sendcustomir,zzzzzzz	zz = 00 00 00... IR data	Sends custom IR data.	sendcustomir,zzzzzzz ok
senduserir,z	z = 1-60	Sends user stored IR data number "z".	senduserir,5 ok
setirdelay,x	x = 1-3600	Sets the IR command delay.	setirdelay,0 ok
getirdelay		Returns the IR command delay.	setirdelay,0!
cecinsend,a:b:z	a,b,z = CEC parameters	Sends CEC command to HDMI In (USB-C does not support CEC)	cecin,04:44:41 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	Sends CEC preset command to HDMI IN.	cecin,1 ok
cecoutsend,a:b:z	a,b,z = CEC parameters	Sends CEC command to HDMI Out.	cecout,40:44:41 ok

Command	Argument	Description	Response
cecout,y	y = 1-6 CEC Command 1 = On 2 = Off 3 = Source 4 = Mute 5 = Volume- 6 = Volume+	Sends CEC preset command to HDMI Loopout.	cecout,6 ok
triggercommand,z	z = on/off	Sets trigger commands settings to on/off.	triggercommand,on ok
gettriggercommand		Returns trigger commands status.	triggercommand,on!

Network

Command	Argument	Description	Response
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		Returns DNS information.	setdns1,8.8.8.8! setdns2,8.8.4.4!
setgateway,xxx.xxx.xxx.xxx		Sets manual default gateway.	setgateway,192.168.0.1 ok
getgateway		Returns device current Gateway address.	setgateway,192.168.0.1!
setip,zz	zz = xxx.xxx.xxx.xxx IP address	Sets manual IP address for the encoder (sets device to Static IP mode).	setip,192.168.0.178 ok
getip		Returns device current IP address.	setip,192.168.0.178!
setipdhcp		Sets device IP mode to DHCP.	setipdhcp ok
getipmode		Returns ipmode status.	setipdhcp!
setipstatic		Sets device IP mode to Static.	setipstatic ok
setnetwork,x,y,z	Set network parameters x = IP address y = Subnet Mask z = Default Gateway	Sets device network parameters in a single command.	setnetwork,192.168.0.178,255.255.255.0,192.168.0.1 ok
getnetwork		Returns the device IP address, subnet mask, and default gateway.	setnetwork,192.168.0.178,255.255.255.0,192.168.0.1!
setsubnet,xxx.xxx.xxx.xxx		Sets manual subnet.	setsubnet,255.255.255.0 ok
getsubnet		Returns device current Subnet address.	setsubnet,255.255.255.0!
setigmpversion,z	z = 0-1 0 = IGMP v2 (default) 1 = IGMP v3	Sets device IGMP version to v.2 or v.3.	setigmpversion,0 ok
getigmpversion		Returns IGMP Version.	setigmpversion,0!
discovery,z	z = on/off	Enables or disables Multicast Discovery (Bonjour).	discovery,on ok
getdiscovery		Returns the discovery status.	discovery,on!

Command	Argument	Description	Response
getlldp		Returns LLDP information.	chassisid,80:CC:9C:80:0F:70! sysnameid,testswitch1! sysdesc,testmodel managed switch poe location! portid,0/11! portdesc,tnetport11! vlanid,112! poe,13 W!
getmac		Returns device current MAC address.	mac,00:B0:D0:63:C2:24!
setdiscoveryinter,z	z = 1-3600	Sets custom discovery interval in sec.	setdiscoveryinter,60 ok
getdiscoveryinter		Returns the discovery package send interval.	setdiscoveryinter,60!
servicesvlanmode,x:z	x = 0-3 0 = All 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = on/off	Enables or disables stream/control/Dante services VLAN mode.	servicesvlanmode,1:on ok servicesvlanmode,2:on ok servicesvlanmode,3:on ok
getservicesvlanmode		Returns stream/control/Dante services VLAN mode status.	servicesvlanmode,1:on! servicesvlanmode,2:on! servicesvlanmode,3:on!
setpvid,x:z	x = 0-2 0 = All 1 = LAN 1 2 = LAN 2 z = xxx VLAN (2-4094)	Sets associated PVID (Port VLAN ID) for LAN 1 and LAN 2 ports.	setpvid,1:112 ok
getpvid		Returns PVID settings for LAN 1 and LAN 2.	setpvid,1:112! setpvid,2:20!
setservicesdscp,n:z	n = 0-3 0 = All VLANs 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = 0-63, DSCP value	Sets the desired DSCP value.	setservicesdscp,1:46 ok setservicesdscp,2:46 ok setservicesdscp,3:46 ok
getservicesdscp		Returns all services VLANs DSCP values.	setservicesdscp,1:46! setservicesdscp,2:46! setservicesdscp,3:46!
setservicesipdhcp,n	n = 0-3 0 = All 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN	Sets the VLAN network IP mode to DHCP.	setservicesipdhcp,1 ok setservicesipdhcp,2 ok setservicesipdhcp,3 ok
setservicesipstatic,n:x,y,z	n = 1-3 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN x = IP Address y = Subnet Mask z = Default Gateway	Sets the VLAN network IP mode to Static with given network parameters.	setservicesipstatic,1:192.168.100.100,255.255.255.0,192.168.100.1 ok setservicesipstatic,2:192.168.200.100,255.255.255.0,192.168.100.1 ok setservicesipstatic,3:192.168.300.100,255.255.255.0,192.168.100.1 ok

Command	Argument	Description	Response
getservicesip		Returns all services VLAN network IP settings.	setservicesipdhcp,1! setservicesipdhcp,2! setservicesipstatic,3:192.168.300.100,255.255.255.0,192.168.100.1!
setservicesttl,n:z	n = 0-3 0 = All VLANs 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = 1-255, TTL value	Sets the desired TTL value.	setservicesttl,1:64 ok setservicesttl,2:64 ok setservicesttl,3:64 ok
getservicesttl		Returns all services VLANs TTL values.	setservicesttl,1:64! setservicesttl,2:64! setservicesttl,3:64!
setservicesvlan,n:x,y,z,a	n = 1-3 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN x = VLAN ID (1-4094) y = 0-2 Bridge Mode 0 = LAN 1 + LAN 2 1 = LAN 1 2 = LAN 2 z = 0-1 , LAN 1 Tagged/ Untagged 0 = Untagged 1 = Tagged a = 0-1 , LAN 2 Tagged/ Untagged 0 = Untagged 1 = Tagged	Associate different services with VLANs. Set LAN Bridge mode Set LAN 1/LAN 2 Tagged/Untagged mode Set desired TTL (TimeTo Live) value Set desired DSCP (Differentiated Services Code Point) value	setservicesvlan,1:10,0,0,0 ok
getservicesvlan		Returns services VLAN full settings.	setservicesvlan,1:10,0,0,0! setservicesvlan,2:20,0,1,1! setservicesvlan,3:30,0,1,1!
dot1x,n:z	n = 0-2 0 = All 1 = LAN 1 2 = LAN 2 z = on/off	Sets dot1x LAN1/LAN2 settings status to on/off.	dot1x,1:on ok
getdot1x		Returns dot1x LAN1/LAN2 settings status.	dot1x,1:on! dot1x,2:on!
https,z	z = on/off	Sets HTTPS settings status to on/off.	https,on ok
gethttps		Returns HTTPS settings status.	https,on!
httpsmode,x	x = 0-1 0 = Internal Certificate 1 = Server Certificate	Sets HTTPS settings mode.	sethttpsmode,0 ok
gethttpsmode		Returns HTTPS settings mode.	sethttpsmode,0!
ldap,z	z = on/off	Sets LDAP settings status to on/off.	ldap,on ok
getldap		Returns LDAP settings status.	ldap,on!
mqtt,z	z = on/off	Sets MQTT settings status to on/off.	mqtt,on ok

Command	Argument	Description	Response
<code>getmqtt</code>		Returns MQTT settings status.	<code>mqtt,on!</code>
<code>snmp,z</code>	<code>z = on/off</code>	Sets SNMP settings status to on/off.	<code>snmp,on ok</code>
<code>getsnmp</code>		Returns SNMP settings status.	<code>snmp,on!</code>
<code>ssh,z</code>	<code>z = on/off</code>	Sets SSH settings status to on/off.	<code>ssh,on ok</code>
<code>getssh</code>		Returns SSH settings status.	<code>ssh,on!</code>

TNET-DEC-H211-DA

ASCII command reference

System

Command	Argument	Description	Response
getstatus		Returns the complete device status.	See Appendix A - getstatus response examples.
gettype		Returns the device type (encoder or decoder).	dec!
getfirmware		Returns the device firmware version.	firmware,V1.0.0!
setdevicename,zz	zz = Device name	Sets the device friendly name.	setdevicename,encoder podium ok setdevicename,decoder podium ok
getdevicename		Returns the device current friendly name.	setdevicename,encoder podium! setdevicename,decoder podium!
setdevicenamesync,x:z	x = 1-6 1 = Dante TX CH1 name 2 = Dante TX CH2 name 3 = Host name 4 = Dante RX CH1 name 5 = Dante RX CH2 name 6 = Dante name z = on/off	Sets 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		Returns the device name follow setting.	setdevicenamesync,1:on! setdevicenamesync,2:on! setdevicenamesync,3:on! setdevicenamesync,4:on! setdevicenamesync,5:on! setdevicenamesync,6:on!
sethostname,zz	zz = xxxxxx (Hostname)	Sets device custom IP hostname.	sethostname,testhostname ok
gethostname		Returns device current IP hostname.	sethostname,testhostname!
getsn		Returns the device serial number.	sn,670-05002!
getmodel		Returns the device model name.	TNET-DEC-H211-DA!
fan,z	z = on/off	Enables or disables the fan.	fan,on ok
getfan		Returns the current fan enabled/disabled state.	fan,on!
lan2poepass,z	z = on/off	Enables or disables PoE passthrough on LAN 2 port.	lan2poepass,on ok
getlan2poepass		Returns PoE passthrough on LAN 2 status.	lan2poepass,on!
lan2port,z	z = on/off	Enables or disables the LAN2 Ethernet port.	lan2port,off ok
getlan2port		Returns the current LAN2 port enabled/disabled state.	lan2port,on!
powerlow		Enables Low Power mode.	powerlow ok
poweroff		Powers off the device.	poweroff ok
poweron		Powers on the device.	poweron ok

Command	Argument	Description	Response
getpower		Returns the current power status.	poweron!
reboot		Reboots the device.	reboot ok
reset		Performs a factory reset while retaining IP settings.	reset ok
resetfull		Performs a full factory reset, including IP settings.	resetfull ok
setfanspeed,z	z = 0-5 0 = Auto 1 = Ultra Low 2 = Low 3 = Medium 4 = High 5 = Super High	Sets the fan speed.	setfanspeed,0 ok
getfanspeed		Returns the current fan speed.	setfanspeed,0!
gettemp		Returns the board temperature.	temperature,40°C!
fplock,z	z = on/off	Enables or disables the front panel lock.	fplock,on ok
getfplock		Returns the current front-panel lock status.	fplock,off!
idbutton		Simulates pressing the ID button on the device front panel.	idbutton ok
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 on for 60 s before turning off.	oled,on ok
getoled		Returns OLED display mode.	oled,on!
oledinfo,a,b,c,d,e,f,g,h	a = 0/1 0 = oled information Device Name display off 1 = oled information Device Name display on b = 0/1 0 = oled information IP Address display off 1 = oled information IP Address display on c = 0/1 0 = oled information MAC Address display off 1 = oled information MAC Address display on d = 0/1 0 = oled information Firmware Version display off 1 = oled information Firmware Version display on e = 0/1 0 = oled information Serial Number display off 1 = oled information Serial Number display on f = 0/1 0 = oled information Video Stream Number display off 1 = oled information Video Stream Number on g = 0/1 0 = oled information Resolution off 1 = oled information Resolution display on	Sets which information fields are shown on the OLED display.	oledinfo,1,1,1,0,1,0,1,1 ok

Command	Argument	Description	Response
	h = 0/1 0 = oled information Custom Text display off 1 = oled information Custom Text display on		
getoledinfo		Returns the OLED information display settings.	oledinfo,1,1,1,0,1,0,1,1!
setoledcustext,zz	zz = xxxxxx (custom text) Custom text max length 16	Sets OLED custom text.	setoledcustext,xxxxxx ok
getoledcustext		Returns OLED custom text.	setoledcustext,xxxxxx!
setoledperiod,z	1-10 s default 5 s	Sets the OLED page-change interval when more than two information items are selected.	setoledperiod,1 ok
getoledperiod		Returns the OLED page-change interval.	setoledperiod,1s!
clearlog		Clears the log history of the device.	clearlog ok
getdebug		Returns the debug log status.	debug,on!
commandlog,z	z = on/off	Sets the commands log setting to on/off.	setcommandlog,on ok
getcommandlog		Returns the commands log status.	setcommandlog,on!
startdebug		Starts the debug file logging of the device.	startdebug ok
stopdebug		Stops the debug file logging of the device.	stopdebug ok
autostatus,z	z = on/off	Enables or disables automatic UDP status reporting to the configured receiver IP address and port at the configured interval.	autostatus,on ok
getautostatus		Returns the current Auto Status enabled/disabled state.	autostatus,on!
setautostatusinter,z	z = 1-3600	Sets the time interval to send auto status updates in sec.	setautostatusinter,60 ok
getautostatusinter		Returns the configured Auto Status interval.	setautostatusinter,60!
setautostatusip,zzzzzz	zzzzzz = IP address	Sets the IP address for the auto status receiver.	setautostatusip,192.168.0.50 ok
getautostatusip		Returns the auto status receiver IP address.	setautostatusip,192.168.0.50!
setautostatusport,zzzzz	zzzzz = Port number	Sets the UDP destination port for Auto Status messages.	setautostatusport,50000 ok
getautostatusport		Returns the UDP destination port configured for Auto Status messages.	setautostatusport,50000!
ntp,z	z = on/off	Sets NTP setting enable to on/of.	setntp,on ok
getcurrenttime		Returns system current time.	currenttime:01:14:18!
getntp		Returns NTP setting status.	setntp,on!
encryption,z	z = on/off	Sets the AES256 encryption enable to on/off.	encryption,on ok
getencryption		Returns the AES256 encryption enable status.	encryption,on!
encryptioncus,z	z = on/off	Sets the AES256 encryption custom key enable status.	encryptioncus,on ok
getencryptioncus		Returns the AES256 encryption custom key enable status.	encryptioncus,on!
setencryptionmode,x	x = 1 High Security Mode x = 2 Standard Security Mode (default)	Sets the encryption mode.	setencryptionmode,1 ok

Command	Argument	Description	Response
getencryptionmode		Returns video encryption mode.	setencryptionmode,1!

Video

Command	Argument	Description	Response
multicasttraffic,z	z = on/off	Enables or disables multicast traffic on LAN2 port.	multicasttraffic,on ok
getmulticasttraffic		Returns LAN2 port multicast traffic status.	multicasttraffic,off!
setstreammode,z	x = 0-1 0 = multicast (default) 1 = unicast	Sets the device streaming mode to either Unicast or Multicast.	setstreammode,0 ok
getstreammode		Returns device current streaming mode.	setstreammode,0!
latencymode,z	z = 0/1 0 = ULL mode (Ultra Low Latency <2 ms, default) 1 = Normal mode (<19 ms)	ULL mode (Ultra Low Latency <2ms) Normal mode (<19ms)	latencymode,0 ok
getlatencymode		Returns device latency mode.	latencymode,0!
setaudiofollowvideo,z	z = on/off	Enables or disables Audio Follow Video.	setaudiofollowvideo,on ok
getaudiofollowvideo		Returns Audio Follow Video setting.	setaudiofollowvideo,on!
setrouting,x:zz	x = v/a/s/u/r v: video a: audio s: serial r: IR u: usb zz = IP address or stream number	Sets system routing address. x=v/a/s/u/r v: video a: audio s: serial u: usb r: IR	setrouting,v:0000 ok
getrouting		Returns system routing settings.	setrouting,v:0000! setrouting,a:0000! setrouting,u:192.168.0.1! setrouting,s:--! setrouting,r:--!
streampreview,z	z = on/off	Enables or disables preview MJPEG substream.	streampreview,on ok streampreview,off ok
getstreampreview		Returns preview status.	streampreview,on! streampreview,off!
getpreviewurl		Returns preview URL.	previewurl, http://192.168.0.200:8080/?action=stream!
setpreviewfps,z	0 = 15 1 = 20 2 = 25 3 = 30 (default)	Sets preview fps.	setpreviewfps,0 ok
getpreviewfps		Returns preview fps.	setpreviewfps,0!
setpreviewres,z	0 = 1280x720 (default) 1 = 960x540 2 = 640x360	Sets preview resolution.	setpreviewres,0 ok

Command	Argument	Description	Response
getpreviewres		Returns preview resolution.	setpreviewres,0!
autoswitch,z	z = on/off	Enables or disables device input autoswitching.	autoswitch,on ok
getautoswitch		Returns device autoswitch mode.	autoswitch,on!
videomute,z	z = on/off	device transmit black image video stream.	videomute,on ok
getvideomute		Returns the video mute status.	videomute,off!
hdmiout,z	z = on/off	Enables or disables the HDMI out port.	hdmiout,on ok
gethdmiout		Returns the HDMI out port status.	hdmiout,off!
gethdmioutconnect		Returns the HDMI output connection status.	hdmioutconnected,on!
getinputstatus		Returns inputs status. in 1= Stream in 2= Local HDMI	in 1,link:n! in 2,link:n!
getinputcolor		Returns input colorspace.	inputcolor,YCbCr!
getinputfps		Returns input framerate of active source.	inputfps,60!
getinputres		Returns input resolution of active source.	inputres,3840x2160p!
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		Returns the device selected video stream source.	set,1!
setautoswitchdetect,z	z = 0-1 0 = 5V, 1 = TMDS+5V (default)	Sets the source auto switch detect mode.	setautoswitchdetect,0 ok
getautoswitchdetect		Returns the auto switch detect mode.	setautoswitchdetect,0!
setautoswitchprio,z	z = 0-2 0:Last connect (default) 1 = Prio HDMI, Stream 2 = Prio Stream,HDMI	Sets the input autoswitching priority.	setautoswitchprio,0 ok
getautoswitchprio		Returns the autoswitching priority setting.	setautoswitchprio,0!
setnosource,x	x = 0-1 0 = No Stream Image 1 = No 5V or TMDS	Sets the No Source Setting mode. HDMI Out to output No Stream Image or no video at all (No 5v or TMDS).	setnosource,0 ok
getnosource		Returns the no stream setting detect mode.	setnosource,0!
setcolorspace,z	z = 0-2 0 = Auto (default) 1 = RGB 2 = YCbCr	Sets the HDMI output colorspace.	setcolorspace,0 ok
getcolorspace		Returns colorspace setting status.	setcolorspace,0!
setoutputresolution,z	z = 0-24 0 = Pass Through 1 = Pass Through (Strict) 2 = 720p50 3 = 720P60	Sets HDMI output Scaling mode/resolution.	setoutputresolution,0 ok!

Command	Argument	Description	Response
	4 = 1080P24 5 = 1080P30 6 = 1080P50 7 = 1080P60 8 = 1366x768p60 9 = 1440x900p60 10 = 1400x1050p60 11 = 1600x900p60 12 = 1600x1200p60 13 = 1920x1200p60 14 = 2560x1440p60 15 = 3840x2160p24 16 = 3840x2160p25 17 = 3840x2160p30 18 = 3840x2160p50 19 = 3840x2160p60 20 = 4096x2160p24 21 = 4096x2160p25 22 = 4096x2160p30 23 = 4096x2160p50 24 = 4096x2160p60		
getoutputresolution		Returns the current HDMI output scaling mode/resolution.	setoutputresolution,0 ok!
getcurrentedid,x	x = 1-2 1 - Display EDID (HDMI output) 2 - Local HDMI and Stream Input	Returns current EDID on local HDMI and stream or Decoder connected display EDID.	currentedid,1: 00 00 00...!
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	Sets the Local HDMI input and Stream Input EDID.	setedid,1 internal ok
setedidcopy		Local HDMI input and DEC Stream input copy display EDID.	setedidcopy ok
getedid		Returns Local HDMI and Stream Input EDID settings.	setedid,1 internal!
setuseredid	Displays a prompt to send an EDID file.	Displays a prompt to upload a local EDID file to the device.	setuseredid ok
getuseredid		Returns the user upload EDID.	useredid: 00 00 00...!
hdcp1x,on		Sets HDMI Out to force HDCP 1.x always on.	hdcp1x,on ok
hdcp2x,on		Sets HDMI Out to force HDCP 2.x always on.	hdcp2x,on ok
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		Returns HDCP compatibility.	hdcpadvertising,2:off!

Command	Argument	Description	Response
hdcpfollowdisplay		Sets HDMI Out to follow downstream device HDCP version.	hdcpfollowdisplay ok
gethdcpoutput		Returns HDMI Out HDCP setting.	hdcpfollowdisplay!
gethdcpversion		Returns source HDCP version.	hdcphdmiversion,2.2! hdcpstreamversion,2.2!
gethdcpstream		Returns stream current HDCP status.	hdcpstream,off!
gethdcphdmi		Returns HDMI input current HDCP status.	hdcphdmi,on!
forcenostreamimage,z	z = on/off	Force No stream image of playlist over active video.	forcenostreamimage,on ok
getforcenostreamimage		Returns Force No Stream Image status.	forcenostreamimage,on!
nostreamimage,z	z = on/off	Enables or disables no stream image.	nostreamimage,on ok
getsetnostreamimage		Returns the no stream image status.	nostreamimage,on!
playlist,z	z = on/off	Enables or disables playlist function.	playlist,on ok
getplaylist		Returns the playlist status.	playlist,on!
poweronimage,z	z = on/off	Enables or disables power on image.	poweronimage,on ok
getpoweronimage		Returns the power on image status.	poweronimage,on!
setplaylistimage,x,y,z	x = 1-5 Image serial number y = image name z = duration time 0-3600 s	Sets the playlist image.	setplaylistimage,1,test1.jpg,1 ok
getplaylistimage,x	x = 1-5 Image serial number	Returns the playlist image.	setplaylistimage,1,test1.jpg,1!
setpoweronimageduration,x	x = 15-300 (Duration time,s)	Sets the power on image name and duration time.	setpoweronimageduration,100 ok
getpoweronimageduration		Returns the power on image setting.	setpoweronimageduration,100!
getosdinf		Returns OSD information.	Device Name: Room1 DEC Resolution: 3840x2160p 60Hz IP Address: 192.168.24.18 Custom Text: xxxxxx!
osd,z	z = on/off	Enables or disables OSD.	osd,on ok
getosd		Returns OSD status.	osd,on!
osdtext,xxxx	xxxx = custom text	set OSD text.	osdtext,test ok
getosdtext		Returns OSD text.	osdtext,test!
setosd,x,y,z,a,b,c	x = 1-9 (OSD position) 1 = Top-Left 2 = Top 3 = Top-Right 4 = Left 5 = Center 6 = Right 7 = Bottom-Left 8 = Bottom 9 = Bottom-Right	Sets the OSD position, font size, font color/alignment, background color, background transparency, and display duration.	setosd,1,30,FF00FF00,000000,0,0 ok

Command	Argument	Description	Response
	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)		
setosdbgcolor,xxxxxx	RRGGBB	Sets OSD background color.	setosdbgcolor,00FF00 ok
getosdbgcolor		Returns OSD background color.	setosdbgcolor,00FF00!
setosdbgts,z	z = 0-31	Sets OSD background transparency.	setosdbgts,0 ok
getosdbgts		Returns OSD background transparency.	setosdbgts,0!
setosdfontcolor,xxxxxx	MMRRGGBB (Alignment Mode, Red, Green, Blue), the Alignment mode should be set to FF (Center align) or F0 (Top-Left align). MM = FF/F0	Sets OSD font color.	setosdfontcolor,F000FF00 ok
getosdfontcolor		Returns OSD font color.	setosdfontcolor,F000FF00!
setosdfontsize,z	z = 8-96	Sets OSD font size.	setosdfontsize,30 ok
getosdfontsize		Returns OSD font size.	setosdfontsize,30!
setosdofftime,z	z = 0-300 0 = always on number = xx second	Sets OSD off time.	setosdofftime,n ok
getosdofftime		Returns OSD off time.	setosdofftime,n!
setosdposition,z	z = 1-9 1 = Top-Left 2 = Top 3 = Top-Right 4 = Left 5 = Center 6 = Right 7 = Bottom-Left 8 = Bottom 9 = Bottom-Right	set OSD position.	setosdposition,0 ok
getosdposition		Returns OSD position.	setosdposition,0!
setvideowall,x,y,a,b,ow,oh,vw,vh,rot,stret	Symmetric mode: x = Horizontal count y = Vertical count a = unit horizontal position b = unit vertical position Maximum 16x16 Video Wall Mosaic mode:	Sets the symmetric video wall parameters.	setvideowall,3,3,1,1,200,100,190,90,0,0 ok

Command	Argument	Description	Response
	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		
getsetvideowall		Returns the symmetric video wall settings.	setvideowall,3,3,1,1,200,100,190,90,0,0!
setvideowallmode,x	x = 1 symmetric x = 2 mosaic	Sets the videowall mode.	setvideowallmode,1 ok
getvideowallmode		Returns video wall mode.	setvideowallmode,1!
videowall,z	z = on/off	Enables or disables videowall mode.	videowall,on ok
getvideowall		Returns video wall status.	videowall,on!

Audio

Command	Argument	Description	Response
livoldec,x:z	x = 1-2 1 = HDMI IN 2 = Analog IN z = 1-100	Decrease input "x" gain by "z" steps.	livol,1:10 ok
livolinc,x:z	x = 1-2 1 = HDMI IN 2 = Analog IN z = 1-100	Increase input "x" gain by "z" steps.	livol,1:30 ok
livol,x:z	x = 1-2 1 = HDMI IN 2 = Analog IN z = 0-100	Sets the audio source input "x" gain value "z".	livol,1:5 ok
getlivol,x	x = 0-2 0 = All Input Audio 1 = HDMI IN 2 = Analog IN	Returns the audio source input "x" current gain value.	livol,1:20!
lovoldec,z	z = 1-100	Analog output volume decrease by "z" steps.	lovol,10 ok

Command	Argument	Description	Response
lovolinc,z	z = 1-100	Analog output volume increase by "z" steps.	lovol,30 ok
lovol,z	Analog OUT volume z = 0-100 Volume value	Sets the analog output audio volume.	lovol,50 ok
getlovol		Returns the analog output audio volume.	lovol,50!
mute,z unmute,z	z = 0-4 0 = All 1 = HDMI IN 2 = Analog IN 3 = Analog OUT 4 = HDMI OUT	mutes the specified port unmutes the specified port	mute,1 ok unmute,2 ok
getmute,z	z = 0-4 0 = All 1 = HDMI IN 2 = Analog IN 3 = Analog OUT 4 = HDMI OUT	Returns mute setting.	mute,1! unmute,2!
seta,x	x = 0-2 0 = AFV 1 = Stream Audio 2 = Local HDMI	Sets HDMI output embedded Audio source.	seta,2 ok
getseta		Returns the decoder current HDMI output audio source.	seta,2!
setaaauto,z	z = on/off	Enables or disables automatic input-audio source selection. When enabled, the analog input has priority when present; otherwise, the audio follows the active video source.	setaaauto,on ok
getaaauto		Returns device input audio auto on/off.	setaaauto,on!
setanalog,x	y = 0-2 0 = AFV 1 = Stream Audio 2 = Local HDMI	Sets the audio source for the analog audio port when set to output direction mode. (Stream Audio = TNET Stream Audio or Dante/AES67 RX is configured in setstreama,x command).	setanalog,2 ok
getanalog		Returns the analog audio source when set to output mode.	setanalog,3!
setanalogdelay,z	z = 0-340 ms	Sets analog output delay. Output direction mode must be set to Output.	setanalogdelay,10ms ok
getanalogdelay		Returns the analog output delay.	setanalogdelay,10ms!
setanalogmode,z	z = 0-1 0 = in 1 = out	Sets the analog audio direction mode.	setanalogmode,0 ok
getanalogmode		Returns device analog direction mode.	setanalogmode,1!
setanalogtype,z	z = 0-1 0 = balanced audio 1 = unbalanced audio	Sets the analog audio connection type to balanced or unbalanced.	setanalogtype,0 ok
getanalogtype		Returns the analog audio port connection type (balanced/unbalanced).	setanalogtype,1!
setdanteaes67tx,x	x = 1-3 1 = HDMI IN Audio 2 = Analog audio in 3 = TNET Stream Out Audio	Sets the audio source for Dante/AES67 TX.	setdanteaes67tx,1 ok
getdanteaes67tx		Returns Dante/AES67 TX audio source.	setdanteaes67tx,1!

Command	Argument	Description	Response
setstreama,x	x = 0-1 0 = TNET Stream Audio 1 = Dante/AES67 RX	Sets the audio source for Stream Audio.	setstreama,0 ok
getstreama		Returns the Stream Audio source selection.	setstreama,0!
danteaudio,z	z = on/off	Enables or disables Dante audio stream. Note: Unit will reboot automatically after command.	danteaudio,on ok
getdanteaudio		Returns device Dante audio stream status.	danteaudio,off!
danteaudiorex,z	z = on/off	Enables or disables Dante 2CH RX.	danteaudiorex,on ok
getdanteaudiorex		Returns Dante RX status.	danteaudiorex,on!
getdanteaudiotx		Returns Dante TX status.	danteaudiotx,off!
danteaudiotx,z	z = on/off	Enables or disables Dante 2CH TX.	danteaudiotx,on ok
danteava,z	z = on/off	Enables or disables 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		Returns the device current Dante AV-A mode status.	danteava,off!
getdantelock		Returns the Dante Audio "Dante Lock" status of the decoder.	dantelock,on! dantelock,off!
dantemute,z	z = on/off	Enables or disables Dante audio mute.	dantemute,on ok
getdantemute		Returns Dante audio mute status.	dantemute,off!
getdanterxsubch		Returns Dante RX channel 1 and 2 current subscription naming.	danterxsubch,1:test1! danterxsubch,2:test2!
setdantenname,x	x = dante name(no more than 32 letters)	Sets Dante prefix name.	setdantenname, TNET-DEC-H211-DA ok setdantenname, TNET-ENC-C211-DA ok setdantenname, TNET-ENC-H101-DA ok
getdantenname		Returns Dante name.	setdantenname, TNET-DEC-H211-DA! setdantenname, TNET-ENC-C211-DA! setdantenname, TNET-ENC-H101-DA!
setdanterxch,x:z	x = 1-2 1 = Dante RX CH1 Name 2 = Dante RX CH2 Name z = xxxx channel name(no more than 32 letters)	Sets Dante RX channel 1 and 2 custom naming. Note: Naming must follow conventional Domain Name System (DNS) hostname rules	setdanterxch,1:test1 ok setdanterxch,2:test2 ok
getdanterxch		Returns Dante RX channel 1 and 2 current naming.	setdanterxch,1:test1! setdanterxch,2:test2!
setdantetxch,x:z	x = 1-2 1 = Dante TX CH1 Name 2 = Dante TX CH2 Name z = xxxx channel name(no more than 32 letters)	Sets 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		Returns Dante TX channel 1 and 2 current naming.	setdantetxch,1:test1! setdantetxch,2:test2!
aes67,z	z = on/off	Enables or disables Dante AES67. Enabling AES67 will disable Dante functionality.	aes67,on ok
getaes67		Returns the device current AES67 status.	aes67,on!

Command	Argument	Description	Response
setaes67recvconn,zz	zz = IP address	Sets the IP address of the AES67 RX device.	setaes67recvconn,192.168.100.39 ok
getaes67recvconn		Returns the device current AES67 RX IP address.	setaes67recvconn,192.168.100.39!

USB

Command	Argument	Description	Response
getusbportstatus,x	x = 0-4 0 = All device ports 1 = device port 1 2 = device port 2 3 = device port 3 4 = device port 4	Returns USB/KM Port Status.	usb port 1:on! usb port 2:off! usb port 3:off! usb port 4:on!
getusb2		Returns device USB 2.0 support status.	usb2,off!
usb2,z	z = on/off	Enables or disables USB 2.0 support.	usb2,on ok
usbdevice,z	z = on/off	Enables or disables USB device.	usbdevice,on ok
getusbdevice		Returns usb devices status.	usbdevice,on!
usbfollowvideo,z	z = on/off	Sets usb follow video.	usbfollowvideo,on ok
getusbfollowvideo		Returns usb follow video status.	usbfollowvideo,on!
getusbkm		Returns device USB 1.1 support status.	usbkm,off!
usbkm,z	z = on/off	Enables or disables USB 1.1 keyboard and mouse support.	usbkm,on ok
usbpower,z	z = on/off	Enables or disables USB device ports power.	usbpower,on ok
getusbpower		Returns usb devices power status.	usbpower,on!
mouseroam,z	z = on/off	Enables Mouse Roaming over multiple displays.	mouseroam,on ok
getmouseroam		Returns Mouse Roaming information.	mouseroam,on!
mouseroamgroup,a,x,y;b,x,y;c,x,y	a,b,c,d,e... = IP addresses of the mouse roaming followers x = horizontal layout position of the client. Value can be -16,-15,-14,...-1,0,1,2,...,16 y = vertical layout position of the client. Value can be -16,-15,-14,...-1,0,1,2,...,16	Configures the Mouse roaming feature, send command to Roaming Leader DEC. 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		Returns the mouse roaming group setup.	mouseroamgroup,169.254.0.100:169.254.0.101,169.254.0.102!
setusbgreen,z,z,z,z,z	z = ENC IP address	Sets the green list allowed ENC IP addresses.	setusbgreen,169.254.0.100,169.254.0.101,169.254.0.102 ok
getusbgreenlist		Returns the green list IP addresses.	setusbgreen,169.254.0.100,169.254.0.101,169.254.0.102!
usbgreen,z	z = on/off	Enables or disables green list.	usbgreen,on ok

Command	Argument	Description	Response
getusbgreen		Returns the green list status.	usbgreen,on!

Control

Command	Argument	Description	Response
sendser,zz	zz = test123 Serial command	Sends serial command on units serial port using configured port settings and format settings.	sendser,test123 ok
senduserserial,z	z = 1-5	Sends user stored RS-232 commands number "z".	senduserserial,2 ok
serialpass,z	z = on/off	Enables serial passthrough in order to be able to route 1 to 1 serial path (needs to be enabled on both units).	serialpass,on ok
getserialpass		Returns the serial passthrough status.	serialpass,on! setserpass,192.168.0.150!
seripsshtunnel,z	z = on/off	Enables or disables RS-232 IP tunnel SSH mode.	seripsshtunnel,on ok
getseripsshtunnel		Returns RS-232 IP tunnel SSH mode status.	seripsshtunnel,on!
seriptunnel,z	z = on/off	Enables or disables off RS-232 IP tunnel.	seriptunnel,on ok
getseriptunnel		Returns RS-232 IP tunnel status.	seriptunnel,on!
serpassdisconnect		Disconnects serial passthrough.	serpassdisconnect ok
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	Sets serial communication port baudrate, databit,parity and stop bits.	setser,1,8,2,1 ok
setbaudrate,z	z = 1-7 1 = 2400 2 = 4800 3 = 9600 4 = 19200 5 = 38400 6 = 57600 7 = 115200	Sets RS-232 communication port baudrate.	setbaudrate,1 ok
getser		Returns the serial port setting.	setser,1,8,2,1!
setsercustom,x,y:z	x = 1-5 user defined commands No. y = name z = command data	Sets the serial custom command.	setsercustom,1,user defined:test123 ok

Command	Argument	Description	Response
getsercustom,x	x = 1-5 user defined commands No.	Returns 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	Sets the aerial custom command format.	setserformat,ascii:0 ok
getserformat		Returns the custom serial command format.	setserformat,ascii:0!
setserpass,zz	zz = IP address of 2nd unit	Sets up direct serial route between the controlled device and a secondary device.	setserpass,192.168.0.150 ok
irpass,z	z = on/off	Enables IR passthrough 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	Sets up direct IR route between the controlled device and a secondary device.	setirpass,192.168.0.150 ok
getirpass		Returns the IR passthrough status and IP address of 2nd unit.	irpass,on! setirpass,192.168.0.150!
setir,x:zz	x = 1-60 zz = 00 00 00... IR data	Sets the IR commands.	setir,1:00 00 00 ok
getir,x	x = 0-60 0 = All IR command, 1-60 IR command	Returns the IR command.	IR 1:00 00 00!
irpassdisconnect		Disconnects ir passthrough.	irpassdisconnect ok
irread,z	z = on/off	Enables or disables IR read function.	irread,on ok
getirread		Returns the IR read status.	irread,on!
getirreaddata		Returns the IR read data.	IR read data: xx xx xx xx!
setirrepeatdelay,x	x = 1-3600	Sets the IR repeat delay.	setirrepeatdelay,100 ok
getirrepeatdelay		Returns the IR repeat delay.	setirrepeatdelay,100!
setirrepeattime,x	x = 1-2	Sets the IR repeat time.	setirrepeattime,1 ok
getirrepeattime		Returns the IR repeat time.	setirrepeattime,1!
sendcustomir,zzzzzzz	zz = 00 00 00... IR data	Sends custom IR data.	sendcustomir,zzzzzzz ok
senduserir,z	z = 1-60	Sends user stored IR data number "z".	senduserir,5 ok
setirdelay,x	x = 1-3600	Sets the IR command delay.	setirdelay,0 ok
getirdelay		Returns the IR command delay.	setirdelay,0!
cecinsend,a:b:z	a,b,z = CEC parameters	Sends a CEC command to the local HDMI input.	cecin,04:44:41 ok
cecin,x	x = 1-16 CEC Command 1 = On 2 = Off 3 = Menu 4 = Play 5 = Back 6 = Up	Sends CEC preset command to HDMI IN.	cecin,1 ok

Command	Argument	Description	Response
	7 = Enter 8 = Stop 9 = Left 10 = Down 11 = Right 12 = Pause 13 = Previous 14 = Next 15 = REW 16 = FF		
cecoutsend,a:b:z	a,b,z = CEC parameters	Sends CEC command to HDMI Out.	cecout,40:44:41 ok
cecout,y	y = 1-6 CEC Command 1 = On 2 = Off 3 = Source 4 = Mute 5 = Volume- 6 = Volume+	Sends CEC preset command to HDMI Loopout.	cecout,6 ok
triggercommand,z	z = on/off	Sets trigger commands settings to on/off.	triggercommand,on ok
gettriggercommand		Returns trigger commands status.	triggercommand,on!

Network

Command	Argument	Description	Response
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		Returns DNS information.	setdns1,8.8.8.8! setdns2,8.8.4.4!
setgateway,xxx.xxx.xxx.xxx		Sets manual default gateway.	setgateway,192.168.0.1 ok
getgateway		Returns device current Gateway address.	setgateway,192.168.0.1!
setip,zz	zz = xxx.xxx.xxx.xxx IP address	Sets the device to Static IP mode and assigns the specified IP address.	setip,192.168.0.178 ok
getip		Returns device current IP address.	setip,192.168.0.178!
setipdhcp		Sets device IP mode to DHCP.	setipdhcp ok
getipmode		Returns ipmode status.	setipdhcp!
setipstatic		Sets device IP mode to Static.	setipstatic ok
setnetwork,x,y,z	Set network parameters x = IP address y = Subnet Mask z = Default Gateway	Sets device network parameters in a single command.	setnetwork,192.168.0.178,255.255.255.0,192.168.0.1 ok
getnetwork		Returns the device IP address, subnet mask, and default gateway.	setnetwork,192.168.0.178,255.255.255.0,192.168.0.1!
setsubnet,xxx.xxx.xxx.xxx		Sets manual subnet.	setsubnet,255.255.255.0 ok

Command	Argument	Description	Response
getsubnet		Returns device current Subnet address.	setsubnet,255.255.255.0!
setigmpversion,z	z = 0-1 0 = IGMP v2 (default) 1 = IGMP v3	Sets device IGMP version to v.2 or v.3.	setigmpversion,0 ok
getigmpversion		Returns IGMP Version.	setigmpversion,0!
discovery,z	z = on/off	Enables or disables Multicast Discovery (Bonjour).	discovery,on ok
getdiscovery		Returns the discovery status.	discovery,on!
getlldp		Returns LLDP information.	chassisid,80:CC:9C:80:0F:70! sysnameid,testswitch1! sysdesc,testmodel managed switch poe location! portid,0/11! portdesc,tnetport11! vlanid,112! poe,13 W!
getmac		Returns device current MAC address.	mac,00:B0:D0:63:C2:24!
setdiscoveryinter,z	z = 1-3600	Sets custom discovery interval in sec.	setdiscoveryinter,60 ok
getdiscoveryinter		Returns the discovery package send interval.	setdiscoveryinter,60!
servicesvlanmode,x:z	x = 0-3 0 = All 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = on/off	Enables or disables stream/control/Dante services VLAN mode.	servicesvlanmode,1:on ok servicesvlanmode,2:on ok servicesvlanmode,3:on ok
getservicesvlanmode		Returns stream/control/Dante services VLAN mode status.	servicesvlanmode,1:on! servicesvlanmode,2:on! servicesvlanmode,3:on!
setpvid,x:z	x = 0-2 0 = All 1 = LAN 1 2 = LAN 2 z = xxx VLAN (2-4094)	Sets associated PVID (Port VLAN ID) for LAN 1 and LAN 2 ports.	setpvid,1:112 ok
getpvid		Returns PVID settings for LAN 1 and LAN 2.	setpvid,1:112! setpvid,2:20!
setservicesdscp,n:z	n = 0-3 0 = All VLANs 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = 0-63, DSCP value	Sets the desired DSCP value.	setservicesdscp,1:46 ok setservicesdscp,2:46 ok setservicesdscp,3:46 ok
getservicesdscp		Returns all services VLANs DSCP values.	setservicesdscp,1:46! setservicesdscp,2:46! setservicesdscp,3:46!
setservicesipdhcp,n	n = 0-3 0 = All 1 = Stream VLAN	Sets the VLAN network IP mode to DHCP.	setservicesipdhcp,1 ok setservicesipdhcp,2 ok setservicesipdhcp,3 ok

Command	Argument	Description	Response
	2 = Control VLAN 3 = Dante/AES67 VLAN		
setservicesipstatic,n:x,y,z	n = 1-3 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN x = IP Address y = Subnet Mask z = Default Gateway	Sets the VLAN network IP mode to Static with given network parameters.	setservicesipstatic,1:192.168.100.100,255.255.255.0,192.168.100.1 ok setservicesipstatic,2:192.168.200.100,255.255.255.0,192.168.100.1 ok setservicesipstatic,3:192.168.300.100,255.255.255.0,192.168.100.1 ok
getservicesip		Returns all services VLAN network IP settings.	setservicesipdhcp,1! setservicesipdhcp,2! setservicesipstatic,3:192.168.300.100,255.255.255.0,192.168.100.1!
setservicesttl,n:z	n = 0-3 0 = All VLANs 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN z = 1-255, TTL value	Sets the desired TTL value.	setservicesttl,1:64 ok setservicesttl,2:64 ok setservicesttl,3:64 ok
getservicesttl		Returns all services VLANs TTL values.	setservicesttl,1:64! setservicesttl,2:64! setservicesttl,3:64!
setservicesvlan,n:x,y,z,a	n = 1-3 1 = Stream VLAN 2 = Control VLAN 3 = Dante/AES67 VLAN x = VLAN ID (1-4094) y = 0-2 Bridge Mode 0 = LAN 1 + LAN 2 1 = LAN 1 2 = LAN 2 z = 0-1 , LAN 1 Tagged/ Untagged 0 = Untagged 1 = Tagged a = 0-1 , LAN 2 Tagged/ Untagged 0 = Untagged 1 = Tagged	Associate different services with VLANs. Set LAN Bridge mode Set LAN 1/LAN 2 Tagged/Untagged mode Set desired TTL (TimeTo Live) value Set desired DSCP (Differentiated Services Code Point) value	setservicesvlan,1:10,0,0,0 ok
getservicesvlan		Returns services VLAN full settings.	setservicesvlan,1:10,0,0,0! setservicesvlan,2:20,0,1,1! setservicesvlan,3:30,0,1,1!
dot1x,n:z	n = 0-2 0 = All 1 = LAN 1 2 = LAN 2 z = on/off	Sets dot1x LAN1/LAN2 settings status to on/off.	dot1x,1:on ok
getdot1x		Returns dot1x LAN1/LAN2 settings status.	dot1x,1:on! dot1x,2:on!
https,z	z = on/off	Sets HTTPS settings status to on/off.	https,on ok
gethttps		Returns HTTPS settings status.	https,on!

Command	Argument	Description	Response
httpsmode,x	x = 0-1 0 = Internal Certificate 1 = Server Certificate	Sets HTTPS settings mode.	sethttpsmode,0 ok
gethttpsmode		Returns HTTPS settings mode.	sethttpsmode,0!
ldap,z	z = on/off	Sets LDAP settings status to on/off.	ldap,on ok
getldap		Returns LDAP settings status.	ldap,on!
mqtt,z	z = on/off	Sets MQTT settings status to on/off.	mqtt,on ok
getmqtt		Returns MQTT settings status.	mqtt,on!
snmp,z	z = on/off	Sets SNMP settings status to on/off.	snmp,on ok
getsnmp		Returns SNMP settings status.	snmp,on!
ssh,z	z = on/off	Sets SSH settings status to on/off.	ssh,on ok
getssh		Returns SSH settings status.	ssh,on!

Appendix A - getstatus Response Examples

Example responses supplied with Revision 2.

TNET-ENC-H101-DA

```
enc!
TNET-ENC-H101-DA!
temperature,45!
sethostname,TNET-gatewayFCA2DF3D15EF!
mac,FC:A2:DF:3D:15:EF!
setdevicename,TNET-ENC-H101-104!
firmware,V1.2.0!
sn,!
encstream,on!
setstreammode,0!
custommulticastaddress,off!
setmulticastaddress,!
multicastaddress,239.192.2.232!
danteava,off!
setstream,0487!
hdmiloop,on!
videomute,off!
hdcpdmi,on!
hdcpdmi,version,2.2!
setdevicenamesync,1:off!
setdevicenamesync,2:off!
setdevicenamesync,3:off!
setdevicenamesync,4:off!
setdevicenamesync,5:off!
setdevicenamesync,6:off!
in1,link:y!
setcolorspace,0!
inputres,3840x2160p 60Hz!
streampreview,on!
previewurl, http://192.168.100.118:8080/?action=stream!
setpreviewres,640x360!
setpreviewfps,30!
seta,1!
setaauto,off!
setanalogmode,1!
setanalogtype,0!
livol,1:100!
livol,2:100!
lovol,80!
unmute,1!
unmute,2!
unmute,3!
setedid,2:6 internal!
setanalog,0!
setanalogdelay,0ms!
setstreama,0!
hdcpfollowdisplay!
hdcpadvertising,2:on!
danteaudio,on!
danteaudiotx,on!
setdantetxch,1:test1-0161!
setdantetxch,2:test1-0261!
dantetx1 signal on!
dantetx2 signal on!
dantemute,off!
danterxch,1:Line Out 1!
danterxch,2:Line Out 2!
danterxsubch,1:@!
danterxsubch,2:@!
dantelock:off!
oled,on!
setoledperiod,5!
setoledcustext,!
nosourceimage,on!
playlist,on!
autostatus,off!
setautostatusip,169.254.1.1!
setautostatusport,59327!
setautostatusinter,10!
fan,on!
fanspeed,5!
usbhost,on!
setser,3,8,2,1!
serialpass,on!
setserpass,--!
irread,off!
irpass,on!
setirpass,192.168.150.116!
setirdelay,10!
setirrepeattime,1!
setirrepeatdelay,10!
setipdhcp!
setip,192.168.100.118!
setsubnet,255.255.255.0!
setgateway,192.168.100.254!
setdns1,192.168.100.254!
setdns2,!

```

```
discovery,on!  
setdiscoveryinter,60!  
lan2poepass,on!  
lan2port,on!  
multicasttraffic,on!  
fplock,off!  
encryption,on!  
triggercommand,off!  
setsercustom,1,User-defined 1:!  
setsercustom,2,User-defined 2:!  
setsercustom,3,User-defined 3:!  
setsercustom,4,User-defined 4:!  
setsercustom,5,User-defined 5:!  
enc-end!
```

TNET-ENC-C211-DA

```

enc!
TNET-ENC-C211-DA!
temperature,42!
sethostname,TNET-gatewayFCA2DFC0007E!
mac,FC:A2:DF:C0:00:7E!
setdevicename,TNET-ENC-103!
firmware,V1.2.0!
sn,!
encstream,on!
setstreammode,0!
custommulticastaddress,off!
setmulticastaddress,!
multicastaddress,239.192.18.229!
danteava,off!
setstream,2524!
hdmiloop,on!
videomute,off!
hdcpusbc,off!
hdcpdmi,on!
hdcpusbcversion,off!
hdcpdmi,version,2.2!
usbcpower,on!
autoswitch,on!
setautoswitchprio,0!
setdevicenamesync,1:off!
setdevicenamesync,2:off!
setdevicenamesync,3:off!
setdevicenamesync,4:off!
setdevicenamesync,5:off!
setdevicenamesync,6:off!
in1,link:n!
in2,link:y!
set,2!
setcolorspace,0!
inputres,3840x2160p 60Hz!
streampreview,on!
previewurl,http://192.168.100.112:8080/?action=stream!
setpreviewres,640x360!
setpreviewfps,30!
seta,2!
setaaauto,off!
setanalogmode,1!
setanalogtype,0!
livol,1:100!
livol,2:100!
livol,3:80!
lovol,100!
unmute,1!
unmute,2!
mute,3!
unmute,4!
setededid,1:6 internal!
setededid,2:6 internal!
setanalog,3!
setanalogdelay,0ms!
setstreama,0!
hdcpfollowdisplay!
hdcpadvertising,1:on!
hdcpadvertising,2:on!
danteaudio,on!
danteaudiotx,on!
setdantetxch,1:test1-012111!
setdantetxch,2:test1-022111!
dantetx1 signal on!
dantetx2 signal on!
dantemute,off!
danterxch,1:Line Out 1!
danterxch,2:Line Out 2!
danterxsubch,1:@!
danterxsubch,2:@!
dantelock:off!
oled,on!
setoledperiod,5!
setoledcustext,!
nosourceimage,on!
playlist,on!
autostatus,on!
setautostatusip,169.254.1.1!
setautostatusport,59327!
setautostatusinter,10!
fan,on!
fanspeed,5!
usbhost,on!
setusbhost,0!
setser,2,8,0,1!
serialpass,on!
setserpass,--!
irread,off!
irpass,on!
setirpass,192.168.150.101!
setirdelay,10!
setirrepeattime,1!
setirrepeatdelay,10!
setipdhcp!
setip,192.168.100.112!

```

```
setsubnet,255.255.255.0!  
setgateway,192.168.100.254!  
setdns1,192.168.100.254!  
setdns2,!  
discovery,on!  
setdiscoveryinter,60!  
lan2poepass,on!  
lan2port,on!  
multicasttraffic,on!  
fplock,off!  
encryption,on!  
triggercommand,off!  
setsercustom,1,User-defined 1:1!  
setsercustom,2,User-defined 2:2!  
setsercustom,3,User-defined 3:3!  
setsercustom,4,User-defined 4:4!  
setsercustom,5,User-defined 5:5!  
enc-end!
```

TNET-DEC-H211-DA

```

dec!
TNET-DEC-H211-DA!
temperature,52!
sethostname,TNET-client82FE390A3406!
mac,82:FE:39:0A:34:06!
setdevicename,TNET-DEC-H211-DA!
firmware,V1.2.0!
sn,!
setstreammode,0!
danteava,off!
videomute,off!
hdmiout,on!
hdcstream,on!
hdcphdmi,off!
hdcstreamversion,2.2!
hdcphdmiversion,off!
setdevicenamesync,1:off!
setdevicenamesync,2:off!
setdevicenamesync,3:off!
setdevicenamesync,4:off!
setdevicenamesync,5:off!
setdevicenamesync,6:off!
in1,link:y!
in2,link:n!
autoswitch,on!
setautoswitchprio,0!
setoutputresolution,0!
setcolorspace,0!
inputres,3840x2160p 60Hz!
streampreview,on!
previewurl, http://192.168.100.123:8080/?action=stream!
setpreviewres,640x360!
setpreviewfps,30!
sethdmia,0!
setanalogmode,1!
setanalogtype,0!
livol,1:100!
livol,2:100!
lovol,100!
unmute,1!
unmute,2!
unmute,3!
unmute,4!
setedid,6 internal!
setanalog,0!
setanalogdelay,0ms!
setstreama,0!
hdcpfollowdisplay!
hdcpadvertising,2:on!
danteaudio,off!
danteaudiotx,on!
setdantetxch,1:Line In 1!
setdantetxch,2:Line In 2!
dantetx1 signal on!
dantetx2 signal on!
dantemute,on!
danterxch,1:Line Out 1!
danterxch,2:Line Out 2!
danterxsubch,1:@!
danterxsubch,2:@!
dantelock:off!
setrouting,v:0487!
setrouting,a:0487!
setrouting,u:192.168.100.118!
setrouting,k:192.168.100.118!
setrouting,s:--!
setrouting,r:--!
serialpass,off!
setserpass,--!
irread,off!
irpass,off!
setirpass,--!
setirdelay,10!
setirrepeattime,1!
setirrepeatdelay,10!
setaudiofollowvideo,off!
oled,on!
setoledperiod,5!
setoledcustext,!
nostreamimage,on!
playlist,on!
videowall,off!
setvideowallmode,1!
setvideowall,1,1,0,0,1,1,1,1,0,0!
autostatus,on!
setautostatusip,192.168.130.136!
setautostatusport,59328!
setautostatusinter,30!
fan,on!
fanspeed,0!
usbk, on!
usb2, on!
setser,3,8,2,1!
setipdhcp!
setip,192.168.100.123!

```

```
setsubnet,255.255.255.0!  
setgateway,192.168.100.254!  
setdns1,192.168.100.254!  
setdns2,!  
discovery,on!  
setdiscoveryinter,60!  
lan2poepass,on!  
lan2port,on!  
multicasttraffic,on!  
fplock,off!  
encryption,on!  
triggercommand,off!  
setsercustom,1,User-defined 1:!  
setsercustom,2,User-defined 2:!  
setsercustom,3,User-defined 3:!  
setsercustom,4,User-defined 4:!  
setsercustom,5,User-defined 5:!  
dec-end!
```