Chazy Control API

1. Summary

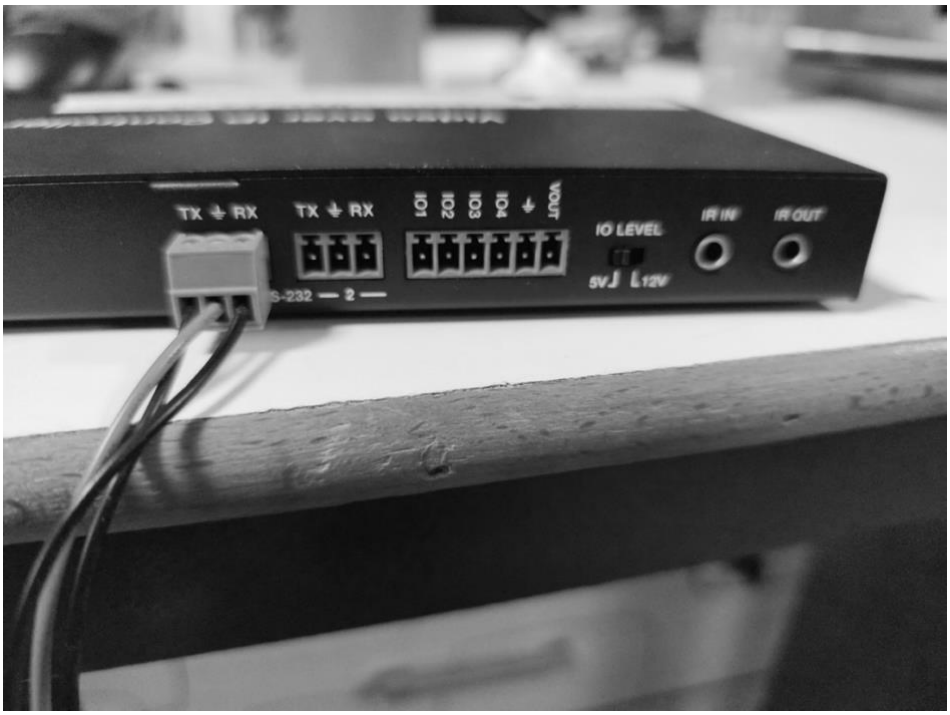
1.1 Brief introduction

This document is used to introduce the relevant API instructions based on Chazy Control.

1.2 Direction for use

Before using API instructions for Chazy Control, you must use TELNET or SSH to remotely log in to the corresponding terminal or use the serial port terminal for API instruction interaction. Either of the following methods can go to the control terminal for API interaction.

a. TELNET Log in to Chazy Control with the default port number of 23.
b. Use the serial port line to connect the serial port of the Chazy Control rear panel with the PC. Open the serial port terminal tool in the PC, and select the corresponding serial interface connection, you can enter the controller terminal for API interaction. The default port rate is 57600,8 bit data bit, 1 bit stop bit, no check bit.



1.3 Key concept

RX1:

RX 1 appearing below refers to RX with ID number 1.

TX1:

The TX 1 presented below refers to the TX with the ID number 1.

SS:

The SS presented below refers to the secondary flow module of the TX.

2. Chazy Control System API reference

2.1 Help information

API joggle	
The HELP or?	
description	
Print the API instructions supported by the current system	
parameter	description
not have	
returned value	**description**
HELP information	Print the HELP information
example	
TELNET Log in to the Chazy Control input command: HELP input command: ?	

2.2 Status information output

API joggle	
GET STATUS	
description	
Output CHAZY CONTROL status information and the TX / RX status information added.	
parameter	**description**
not have	
returned value	**description**
status information	
example	

TELNET Log in to the CHAZY CONTROL
input command:
GET STATUS
return:

```
============================================================
                CHAZY CONTROL Status Info
                FW Version: 1.00.17

Power   IR      Baud
On      On      57600

ENC     Type    EDID    IP              NET/Sig
013     Gen 2   DF000   169.254.010.013 On /On

DEC     Type    From    IP              NET/HDMI  Res   Mode
```

```
001        Gen 2     013        169.254.020.001   On /Off     00      MX
002        Gen 2     013        169.254.020.002   On /Off     00      MX

LAN        DHCP      IP                    Gateway             SubnetMask
01_POE     Off       169.254.008.100 169.254.008.001 255.255.000.000
02_CTRL On           192.168.006.100 192.168.006.001 255.255.255.000
           (static:192.168.006.100 192.168.006.001 255.255.255.000)

Telnet     SSH       HTTPS     LAN01 MAC               LAN02 MAC
0023       Off       Off       6C:DF:FB:00:01:2D       6C:DF:FB:00:01:21

Domain Name
controller.local
=============================================================
```

2.3 Configure the CHAZY CONTROL rear panel GPIO direction

API joggle	
SET GPIO [gpio] DIR IN/OUT	
description	
Configure the CHAZY CONTROL rear panel GPIO direction	
parameter	**description**
gpio	1: GPIO1 2: GPIO2 3: GPIO3 4: GPIO4
IN	The GPIO acts as the input function
OUT	The GPIO acts as the output function
returned value	**description**
[SUCCESS]Set GPIO 01 as input port.	The GPIO 1 is configured as an input mode
[SUCCESS]Set GPIO 01 as output port.	The GPIO 1 is configured as an output mode
example	
TELNET Log in to the CHAZY CONTROL Configure GPIO 1 as an input mode, enter a command: SET GPIO 1 DIR IN return: [SUCCESS]Set GPIO 01 as input port. Configure GPIO 1 as the output mode, enter the command: SET GPIO 1 DIR OUT return: [SUCCESS]Set GPIO 01 as output port.	

2.4 Configure the CHAZY CONTROL rear panel GPIO output level

API joggle	
SET GPIO [gpio] LEVEL Low/High	
description	
With the GPIO output level of CHAZY CONTROL rear panel, this API only affects GPIO with output.	
parameter	**description**
gpio	1: GPIO1 2: GPIO2 3: GPIO3 4: GPIO4
Low /High	Low: output low level High: Output at a high level
returned value	**description**
[SUCCESS]Set GPIO 01 output level 0.	GPIO 1 output at low level
[SUCCESS]Set GPIO 01 output level 1.	The GPIO 1 is output at a high level
example	
TELNET Log in to the CHAZY CONTROL Configure GPIO 1 output low level, input command: SET GPIO 1 LEVEL Low return: [SUCCESS]Set GPIO 01 output level 0. Configure GPIO 1 output high level, input command: SET GPIO 1 LEVEL High return: [SUCCESS]Set GPIO 01 output level 1.	

2.5 Obtain the CHAZY CONTROL rear panel GPIO input level

API joggle	
GET GPIO [gpio] LEVEL	
description	
The GPIO input level of the rear panel of CHAZY CONTROL is obtained, and this API only acts on the GPIO with the input direction.	
parameter	**description**
gpio	1: GPIO1 2: GPIO2 3: GPIO3 4: GPIO4
returned value	**description**
[SUCCESS]Get GPIO 01 real input level 1.	The GPIO 1 acquisition input level is a high level
example	

TELNET Log in to the CHAZY CONTROL Get the GPIO 1 input level, and enter the input command: GET GPIO 1 LEVEL return: [SUCCESS]Get GPIO 01 real input level 1.

2.6 Get the GPIO status information of the CHAZY CONTROL rear panel

API joggle	
GET GPIO [gpio] STATUS	
description	
Get the GPIO status information of the CHAZY CONTROL rear panel.	
parameter	**description**
gpio	Optional parameter that obtaining all GPIO states when not specified 1: GPIO1 2: GPIO2 3: GPIO3 4: GPIO4
returned value	**description**
Returns the GPIO status information	
example	
TELNET Log in to the CHAZY CONTROL Get the GPIO 1 status information and enter the command: GET GPIO 1 STATUS return: ========== CHAZY CONTROL GPIO Info FW Version: 1.00.17 GPIO DIR Set Get 01 In - 1 ==========	

2.7 Set the CHAZY CONTROL serial port baudrate

API joggle	
SET RS232BAUDRATE [a]	
description	
Set CHAZY CONTROL serial port port rate to a, and the factory default is 57600	
parameter	**description**
a	[0:115200 1:57600, 2:38400, 3:19200, 4:9600]
returned value	**description**
[SUCCESS]Set RS232 Baud Rate to 115200bps.	Set the port rate to 57,600 successfully
example	

TELNET Log in to the CHAZY CONTROL Set serial port port rate to 115200, enter command: SET RS232BAUDRATE 0 return: [SUCCESS]Set RS232 Baud Rate to 115200bps. Set the serial port port rate to 57600, enter the command: SET RS232BAUDRATE 1 return: [SUCCESS]Set RS232 Baud Rate to 57600bps.

2.8 Reset the CHAZY CONTROL system configuration

API joggle	
SET RESET	
description	
Reset the system configuration information and Clear the equipment added to the system.	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]System will reset to default config, it will take about 40 seconds, and RS232 will disable during this time, please wait...	The reset was successful
example	
TELNET Log in to the CHAZY CONTROL Reset the system configuration, enter the command: SET RESET return: Sure to RESET system to default settings?Type "Yes" after next prompt to confirm... import yes return: [SUCCESS]System will reset to default config, it will take about 40 seconds, and RS232 will disable during this time, please wait...	

2.9 Reset the CHAZY CONTROL network configuration

API joggle	
SET RESET NETWORK	
description	
Reset the CHAZY CONTROL network configuration information.	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]Network will reset to default config, it will take about 40 seconds, and RS232 will disable during this time, please	The reset was successful

wait...	
example	
TELNET Log in to the CHAZY CONTROL Reset the system configuration, enter the command: SET RESET NETWORK return: Sure to RESET network config to default settings?Type "Yes" after next prompt to confirm... import yes return: [SUCCESS]Network will reset to default config, it will take about 40 seconds, and RS232 will disable during this time, please wait...	

2.10 Reset CHAZY CONTROL for all configurations

API joggle	
SET RESET ALL	
description	
Reset CHAZY CONTROL all configuration information.	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]System and network will reset to default config, it will take about 40 seconds, and RS232 will disable during this time, please wait...	The reset was successful
example	
TELNET Log in to the CHAZY CONTROL Reset the system configuration, enter the command: SET RESET ALL return: Sure to RESET system and network to default settings?Type "Yes" after next prompt to confirm... import yes return: [SUCCESS]System and network will reset to default config, it will take about 40 seconds, and RS232 will disable during this time, please wait...	

2.11 Restart the CHAZY CONTROL

API joggle	
SET REBOOT	
description	
Restart the CHAZY CONTROL	
parameter	**description**
not have	
returned value	**description**
System will restart, please wait...	Equipment restart
example	

TELNET Log in to the CHAZY CONTROL
input command:
SET RE BOOT
return:
System will restart, please wait...

3. The RX control module API reference

3.1 Set the RXID number

API joggle	
SET DEC [dec] ID [id]	
description	
Set the RXID number.	
parameter	**description**
dec	[001... 762]: RXID number
id	[001... 762]: Target ID No
returned value	**description**
[SUCCESS]Set decoder 001 ID to 760.	Set the RX1 ID number to 760
[ERROR]Decoder 100 does not exist.	RX 100 Does not exist
example	
TELNET Log in to the CHAZY CONTROL RX1 ID Set to 760, enter the command: SET DEC 1 ID 760 return: [SUCCESS]Set decoder 001 ID to 760.	

3.2 Set the RX name

API joggle	
SET DEC [dec] NAME [name]	
description	
Set the RX name.	
parameter	**description**
dec	[001... 762]: RXID number
name	Name, with a maximum length of 16 bytes
returned value	**description**
[SUCCESS]Set decoder 001 name:TEST1.	Set the RX 1 name to be the TEST 1
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 alias to TEST 1, enter the command: SET DEC 1 NAME TEST1 return: [SUCCESS]Set decoder 001 name:TEST1.	

3.3 Set RX routing

API joggle	
SET DEC [dec] SWITCH [enc] ALL	
description	
Set up the RX VIDEO / AUDIO / IR / RS-232 / USB / CEC routing	
parameter	**description**

dec	[001... 762]: RXID number 0: All RX
enc	[001...762]: TXID number 0: Cancel the route
returned value	**description**
[SUCCESS]Set decoder 001 from encoder 003.	Set the RX1 VIDEO / AUDIO / IR / RS-232 / USB / CEC signal to route to TX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 ALL return: [SUCCESS]Set decoder 001 from encoder 003. input command: SET DEC 1 SWITCH 0 ALL return: [SUCCESS]Set decoder 001 VARSUC unselect encoder.	

3.4 Lock up the RX VIDEO route

API joggle	
SET DEC [dec] SWITCH [enc] VIDEO	
description	
Lock in the RX VIDEO signal routing.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
enc	[001...762]: TXID number 0: Unlock
returned value	**description**
[SUCCESS]Set decoder 001 video from encoder 003.	Set the RX 1 lock video signal to route to TX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 VIDEO return: [SUCCESS]Set decoder 001 video from encoder 003. input command: SET DEC 1 SWITCH 0 VIDEO return: [SUCCESS]Set decoder 001 unlocking video signals.	

3.5 Lock up the RX AUDIO route

API joggle	
SET DEC [dec] SWITCH [enc] AUDIO	
description	
Lock in the RX AUDIO signal routing.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
enc	[001...762]: TXID number 0: Unlock
returned value	**description**
[SUCCESS]Set decoder 001 audio from encoder 003.	Set the RX 1 lock audio signal to route to the TX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 AUDIO return: [SUCCESS]Set decoder 001 audio from encoder 003. input command: SET DEC 1 SWITCH 0 AUDIO return: [SUCCESS]Set decoder 001 unlocking audio signals.	

3.6 Lock up the RX IR route

API joggle	
SET DEC [dec] SWITCH [enc] IR	
description	
Locking on the RXIR signal routing.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
enc	[001...762]: TXID number 0: Unlock
returned value	**description**
[SUCCESS]Set decoder 001 IR from encoder 003.	Set the RX 1 lock IR signal to route to TX 3
example	

TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 IR return: [SUCCESS]Set decoder 001 IR from encoder 003. input command: SET DEC 1 SWITCH 0 IR return: [SUCCESS]Set decoder 001 unlocking IR signals.

3.7 Lock on the RX RS-232 routing

API joggle	
SET DEC [dec] SWITCH [enc] RS232	
description	
Locking the RXRS-232 signal routing.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
enc	[001...762]: TXID number 0: Unlock
returned value	**description**
[SUCCESS]Set decoder 001 RS232 from encoder 003.	Set the RX 1 lock RS-232 signal to route to TX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 RS232 return: [SUCCESS]Set decoder 001 RS232 from encoder 003. input command: SET DEC 1 SWITCH 0 RS232 return: [SUCCESS]Set decoder 001 unlocking RS232 signals.	

3.8 Lock up the RX USB route

API joggle	
SET DEC [dec] SWITCH [enc] USB	
description	
Lock in the RX USB signal routing.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX

enc	[001...762]: TXID number 0: Unlock
returned value	**description**
[SUCCESS]Set decoder 001 USB from encoder 003.	Set the RX 1 lock USB signals to route to TX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 USB return: [SUCCESS]Set decoder 001 USB from encoder 003. input command: SET DEC 1 SWITCH 0 USB return: [SUCCESS]Set decoder 001 unlocking USB signals.	

3.9 Lock up the RX CEC route

API joggle	
SET DEC [dec] SWITCH [enc] CEC	
description	
Lock in the RX CEC signal routing.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
enc	[001...762]: TXID number 0: Unlock
returned value	**description**
[SUCCESS]Set decoder 001 CEC from encoder 003.	Set the RX 1 lock CEC signal to route to TX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 SWITCH 3 CEC return: [SUCCESS]Set decoder 001 CEC from encoder 003. input command: SET DEC 1 SWITCH 0 CEC return: [SUCCESS]Set decoder 001 unlocking CEC signals.	

3.10 Control that the RX power LED flashes

API joggle

SET DEC [dec] LED ON/OFF SET DEC [dec] LED ON 90	
description	
Control that the RX power LED flashes.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	The power LED flashes
OFF	The power LED is often on
ON 90	The power light flashes for 90 seconds
returned value	**description**
[SUCCESS]Flash power LED on decoder 001.	Flash the RX 1 power LED
example	
TELNET Log in to the CHAZY CONTROL Flash the power light, enter the command: SET DEC 1 LED ON return: [SUCCESS]Flash power LED on decoder 001. The power light is always on, input command: SET DEC 1 LED O FF return: [SUCCESS]Disable flash power LED on decoder 001. Flash the power LED for 90 seconds, enter the command: SET DEC 1 LED ON 90 return: [SUCCESS]Flash power LED on decoder 001 and keep 90 seconds.	

3.11 Set up the RX OSD switch

API joggle	
SET DEC [dec] OUTPUT OSD ON/OFF	
description	
switch RXOSD	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	open OSD
OFF	close OSD
returned value	**description**
[SUCCESS]Show OSD on decoder 001.	open OSD
example	

TELNET Log in to the CHAZY CONTROL Open the OSD and enter the command: SET DEC 1 OUTPUT OSD ON return: [SUCCESS]Show OSD on decoder 001. Close the OSD and enter the command: SET DEC 1 OUTPUT OSD O FF return: [SUCCESS]Hide OSD on decoder 001.

3.12 Set up the RX HDMI OUTPUT switch

API joggle	
SET DEC [dec] OUTPUT ON/OFF	
description	
Switch the switch RX HDMI OUTPUT.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	Open the HDMI OUTPUT
OFF	Turn off the HDMI OUTPUT
returned value	**description**
[SUCCESS]Set decoder 001 output on.	Open the HDMI OUTPUT
example	
TELNET Log in to the CHAZY CONTROL Open the HDMI OUTPUT, and enter the command: SET DEC 1 OUTPUT ON return: [SUCCESS]Set decoder 001 output on. Close the HDMI OUTPUT and enter the command: SET DEC 1 OUTPUT O FF return: [SUCCESS]Set decoder 001 output off.	

3.13 Set up the RX HDMI OUTPUT MUTE

API joggle	
SET DEC [dec] OUTPUT MUTE ON/OFF	
description	
Set up the RX HDMI OUTPUT MUTE (black screen).	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	Open the HDMI OUTPUT MUTE

OFF	Turn off the HDMI OUTPUT MUTE
returned value	**description**
[SUCCESS]Set decoder 001 output mute on.	Open the HDMI OUTPUT MUTE
example	
TELNET Log in to the CHAZY CONTROL Open the HDMI OUTPUT MUTE, and enter the command: SET DEC 1 OUTPUT MUTE ON return: [SUCCESS]Set decoder 001 output mute on. Close the HDMI OUTPUT MUTE and enter the command: SET DEC 1 OUTPUT MUTE O FF return: [SUCCESS]Set decoder 001 output mute off.	

3.14 Set the RX output resolution

API joggle	
SET DEC [dec] OUTPUT RESOLUTION [res]	
description	
Set the RX output resolution to res	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
res	00: Bypass 01: 1080p@50 02: 1080p@60 03: 720p@50 04: 720p@60 05: 2160p@24 06: 2160p@30 07: 2160p@50 08: 2160p@60 09: 1280x1024@60 10: 1360x768@60 11: 1440x900@60 12: 1680x1050@60 13: 1920x1200@60
returned value	**description**
[SUCCESS]Set decoder 001 resolution to 1080p@60Hz.	Set the RX 1 output resolution to 1080P60
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 output resolution to 1080P60, enter the command: SET DEC 1 OUTPUT RESOLUTION 2 return: [SUCCESS]Set decoder 001 resolution to 1080p@60Hz.

3.15 Set the RX screen to rotate

API joggle	
SET DEC [dec] OUTPUT ROTATE [rtt]	
description	
Set the RX screen to rotate.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
rtt	0:0° 1:90° 2:180° 3:270°
returned value	**description**
[SUCCESS]Set decoder 001 rotate 90 degree.	Set the RX 1 screen to flip by 90 degrees
example	
TELNET Log in to the CHAZY CONTROL Set RX 1 screen flip 90 degrees, enter command: SET DEC 1 OUTPUT ROTATE 1 return: [SUCCESS]Set decoder 001 rotate 90 degree.	

3.16 Set up the RX, and the screen is flipped

API joggle	
SET DEC [dec] OUTPUT FLIP HOR/VER/OFF	
description	
Set the RX screen to flip over.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
HOR	flip horizontal
VER	flip vertical
OFF	Normal display
returned value	
[SUCCESS]Set decoder 001 flip done.	Set the RX 1 screen to flip over
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 screen to flip horizontally and enter the command: SET DEC 1 OUTPUT FLIP HOR return: [SUCCESS]Set decoder 001 flip done.

3.17 Set the RX IR level

API joggle	
SET DEC [dec] IR VOL 5V/12V	
description	
Set the RXIR level.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
5V	Use a 5V IR wire line
12V	Use a 12V IR wire line
returned value	**description**
[SUCCESS]Set decoder 001 IR voltage 5V.	Set RX 1 to use 5V IR wire
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 to use a 5V IR wire, enter the command: SET DEC 1 IR VOL 5V return: [SUCCESS]Set decoder 001 IR voltage 5V.	

3.18 Set the RX IO level

API joggle	
SET DEC [dec] IO VOL 5V/12V	
description	
Set the RXIO level.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
5V	The IO level was set at 5V
12V	The IO level was 12V
returned value	**description**
[SUCCESS]Set decoder 001 io voltage 5V.	Set the RX 1 IO level to 5V
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 IO level to 5V, and enter the command: SET DEC 1 I O VOL 5V return: [SUCCESS]Set decoder 001 io voltage 5V.

3.19 Set the RX IO direction

API joggle	
SET DEC [dec] IO 1 DIR IN/OUT SET DEC [dec] IO 2 DIR IN/OUT	
description	
Set the RXIO direction.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
IN	The IO is set as the input
OUT	The IO is set to the output
returned value	**description**
[SUCCESS]Set decoder 001 IO 1 as input port.	Set the RX 1 IO 1 as the input
example	
TELNET Log in to the CHAZY CONTROL Set RX 1 IO 1 as input, enter a command: SET DEC 1 IO 1 DIR IN return: [SUCCESS]Set decoder 001 IO 1 as input port.	

3.20 Set the RX IO output level

API joggle	
SET DEC [dec] IO 1 OUT 0/1 SET DEC [dec] IO 2 OUT 0/1	
description	
The RXIO output level is set and is only valid if the IO direction is set to the output.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
0	IO output low level
1	IO output at a high level
returned value	**description**
[SUCCESS]Set decoder 001 IO 1 output level 0.	Set the RX 1 IO 1 output low level
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 IO 1 output low level, enter the command: SET DEC 1 IO 1 OUT 0 return: [SUCCESS]Set decoder 001 IO 1 output level 0.

3.21 Set up the RX Relay switch

API joggle	
SET DEC [dec] RELAY 1 OPEN/CLOSE SET DEC [dec] RELAY 2 OPEN/CLOSE	
description	
Set up the RX Relay switch.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
OPEN	Relay break
CLOSE	Relay close
returned value	**description**
[SUCCESS]Set decoder 001 Relay 1 close.	Set the RX 1 Relay 1 to close
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 Relay 1 to close, and enter the command: SET DEC 1 RELAY 1 CLOSE return: [SUCCESS]Set decoder 001 Relay 1 close.	

3.22 Set the RX image output mode

API joggle	
SET DEC [dec] MODE MX/VW	
description	
Set the RX image output mode and only the decoder in Video Wall is valid.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
MX	MX Mode output (display all images)
VW	VW Mode output (display partial images)
returned value	**description**
[SUCCESS]Set decoder 001 to matrix mode.	Set up the RX 1 MX mode output
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 MX mode output, enter the command: SET DEC 1 MODE MX	

return: [SUCCESS]Set decoder 001 to matrix mode.

3.23 Set up the RX CEC / ARC switch

API joggle	
SET DEC [dec] SAC ARC/CEC/OFF	
description	
Switch RX C EC / ARC switch, open the CEC by default.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ARC	open ARC
CEC	open CEC
OFF	Close the CEC and the ARC
returned value	**description**
[SUCCESS]Set decoder 001 select ARC, the decoder will reboot if setting changed.	Set the RX 1 to turn on the ARC
example	
TELNET Log in to the CHAZY CONTROL Set RX 1 to turn on ARC and enter the command: SET DEC 1 SAC ARC return: [SUCCESS]Set decoder 001 select ARC, the decoder will reboot if setting changed.	

3.24 Set up the RX audio-return

API joggle	
SET DEC [dec] ARP ARC/SPDIF	
description	
Set the RX audio return, only when RX turns on ARC.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ARC	Audio goes back to the ARC signal
SPDIF	Audio goes back to the S / PDIF signal
returned value	**description**
[SUCCESS]Set decoder 001 audio return path to ARC.	Set the RX 1 audio return source to be the ARC
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 audio return source to ARC, enter the command: SET DEC 1 ARP ARC return: [SUCCESS]Set decoder 001 audio return path to ARC.

3.25 Set the RX eARC to downgrade to the ARC

API joggle	
SET DEC [dec] EARC DOWNGRADE ON/OFF	
description	
Set RX eARC to ARC, only when RX turns on ARC.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	Audio goes back to the ARC signal
OFF	Audio goes back to the eARC signal
returned value	**description**
[SUCCESS]Set decoder 001 eARC downgrade on.	Set the RX 1 audio return source to be the ARC
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 audio return source to ARC, enter the command: SET DEC 1 EARC DOWNGRADE ON return: Set decoder 001 eARC downgrade on.	

3.26 Set the RX, copper/fiber mode

API joggle	
SET DEC [dec] NET FIBER/COPPER	
description	
Set RX electric mode, default to electrical port.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
FIBER	The network card is in light mode
COPPER	The network card is electric mode
returned value	**description**
[SUCCESS]Set decoder 001 network interface to Copper.	Set the RX 1 network card to the electric mode
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 network card to the electric mode, enter the command: SET DEC 1 NET COPPER return: [SUCCESS]Set decoder 001 network interface to Copper.

3.27 Set up the RX USB disk / camera switch

API joggle	
SET DEC [dec] USB DATA ON/OFF	
description	
Set the RX USB disk / camera switch, the USB route of RX will only open KVM devices by default, and USB DATA ON is set to open USB disk / camera.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	Turn on the USB disk / camera
OFF	Turn off the USB disk / camera
returned value	**description**
[SUCCESS]Set decoder 001 usb data on.	Turn on the RX1 USB disk / camera
example	
TELNET Log in to the CHAZY CONTROL Open RX1 USB disk / camera and enter the command: SET DEC 1 USB DATA ON return: [SUCCESS]Set decoder 001 usb data on.	

3.28 Set the RX multicast mode

API joggle	
SET DEC [dec] MULTICAST ON/OFF	
description	
Set RX multicast mode on or off, default to off.	
parameter	**description**
dec	[001... 762]: RXID No 0: All RX
ON	Set RX multicast mode on
OFF	Set RX multicast mode off
returned value	**description**
[SUCCESS]Set decoder 001 multicast on.	Set the RX 1 multicast on
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 multicast on, enter the command: SET DEC 1 MULTICAST ON return: [SUCCESS]Set decoder 001 multicast on.

3.29 Set the RX dante bridge

API joggle	
SET DEC [dec] DANTE BRIDGE ON/OFF	
description	
Set RX dante bridge on or off, default to off.	
parameter	**description**
dec	[001... 762]: RXID No 0: All RX
ON	Set RX dante bridge on
OFF	Set RX dante bridge off
returned value	**description**
[SUCCESS]Set decoder 001 dante bridge on.	Set the RX 1 dante bridge on
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 dante bridge on, enter the command: SET DEC 1 DANTE BRIDGE ON return: [SUCCESS]Set decoder 001 dante bridge on.	

3.30 Set the RX dante vlan

API joggle	
SET DEC [dec] DANTE VLAN ON/OFF	
description	
Set RX dante vlan on or off, default to off.	
parameter	**description**
dec	[001... 762]: RXID No 0: All RX
ON	Set RX dante vlan on
OFF	Set RX dante vlan off
returned value	**description**
[SUCCESS]Set decoder 001 dante VLAN on.	Set the RX 1 dante vlan on
example	

TELNET Log in to the CHAZY CONTROL Set the RX 1 dante vlan on, enter the command: SET DEC 1 DANTE VLAN ON return: [SUCCESS]Set decoder 001 dante VLAN on.

3.31 Set the RX dante vlan tag

API joggle	
SET DEC [dec] DANTE VLAN TAG [tag]	
description	
Set RX dante vlan tag, default to 2.	
parameter	**description**
dec	[001... 762]: RXID No 0: All RX
tag	[1...4095]: VLAN tag
returned value	**description**
[SUCCESS]Set decoder 001 dante VLAN tag to 2.	Set the RX 1 dante vlan tag to 2
example	
TELNET Log in to the CHAZY CONTROL Set the RX 1 dante vlan on, enter the command: SET DEC 1 DANTE VLAN TAG 2 return: [SUCCESS]Set decoder 001 dante VLAN tag to 2.	

3.32 Send CEC data to RX (Guest mode)

API joggle	
SET DEC [dec] CEC SEND xx xx	
description	
Send CEC data to RX (Guest mode)	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
xx xx	16 decimal CEC instruction code
returned value	**description**
[SUCCESS]Send CEC data to decoder 001 done.	The CEC instruction was sent successfully
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 CEC SEND 4F 36 return: [SUCCESS]Send CEC data to decoder 001 done.	

3.33 Send IR data to RX (Guest mode)

API joggle	
SET DEC [dec] IR SEND xx xx xx xx	
description	
Send IR data to RX (Guest mode)	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
xx xx xx xx	16 decimal IR instruction code, support CCF format
returned value	**description**
[SUCCESS]Send IR data to decoder 001 done.	Send the IR command successfully
example	
TELNET Log in to the CHAZY CONTROL input command: SET DEC 1 IR SEND 0000006700000022015600ab0016006000160060001600600016001600160060001600160016006000160016001600160016001600160016001600600016001600160060001600160016006000160060001600160016006000160016001600160016006000160060001600600016001600160060001600160016006000160060001600160016001600160016001600160593 return: [SUCCESS]Send IR data to decoder 001 done.	

3.34 Set the RX serial port parameters

API joggle	
SET DEC [dec] GUEST ON/OFF BR [br] BIT [bit]	
description	
Set the RX serial port parameters	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
ON	Open the serial port to Guest mode
OFF	Close the serial port, Guest mode
br	[0:300 1:600 2:1200 3:2400 4:4800 5:9600] [6:19200 7:38400 8:57600 9:115200]
bit	Data Bits + Parity + Stop Bits example: 8n1 Data Bits=[5...8], Parity=[n o e], Stop Bits=[1..2]
returned value	**description**
[SUCCESS]Set serial guest mode config done.	The RX Serial port parameters was set successfully
example	

TELNET Log in to the CHAZY CONTROL Set RX 1 open serial port Guest mode, port rate 115200,8-bit data bit, no check bit, 1-bit stop bit, input command: SET DEC 1 GUEST ON BR 9 BIT 8N1 return: [SUCCESS]Set serial guest mode config done.

3.35 Start the RX serial port Guest mode

API joggle	
SET DEC [dec] GUEST	
description	
Start RX serial port Guest mode and is only valid if the serial port parameter is set to GUEST ON	
parameter	**description**
dec	[001... 762]: RXID number
returned value	**description**
not have	
example	
TELNET Log in to the CHAZY CONTROL Start the RX 1 serial port Guest mode and enter the command: SET DEC 1 GUEST	

3.36 Exit the RX serial port, Guest mode

API joggle	
EXITGUEST	
description	
After starting the RX serial port Guest mode, send the EXITGUEST to exit the Guest mode	
parameter	**description**
not have	
returned value	**description**
not have	
example	
TELNET Log in to the CHAZY CONTROL Exit the RX 1 serial port Guest mode and enter the command: EXITGUEST	

3.37 Set up the RXIP mode

API joggle

SET DEC [dec] IPMODE DHCP/STATIC	
description	
Set up the IP mode for the RX	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
DHCP	trends IP
STATIC	static state IP
returned value	**description**
[SUCCESS]Set encoder 001 ip mode to dhcp. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart the RX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set RX 1 to Dynamic IP mode, enter the command: SET DEC 1 IPMODE DHCP return: [SUCCESS]Set encoder 001 ip mode to dhcp. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	

3.38 Set up the RX IP address

API joggle	
SET DEC [dec] STATIC IP [ip]	
description	
Set the IP address for RX, only valid when IPMODE is STATIC.	
parameter	**description**
dec	[001... 762]: RXID number
ip	IP addresses, such as 169.254.10.10
returned value	**description**
[SUCCESS]Set decoder 001 IP address to 169.254.020.006. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart the RX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set the IP of RX 1 to 169.254.20.6, enter the command: SET DEC 1 STATIC IP 169.254.20.6 return: [SUCCESS]Set decoder 001 IP address to 169.254.020.006. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	

3.39 Sets the RX subnet mask

API joggle	
SET DEC [dec] STATIC MASK [mask]	
description	
Set the subnet mask for RX, only valid when IPMODE is STATIC.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
mask	Subnet mask, such as 255.255.0.0
returned value	**description**
[SUCCESS]Set encoder 001 subnet mask address to 255.255.000.000. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart the RX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set the subnet mask of RX 1 to 255.255.0.0, enter the command: SET DEC 1 STATIC MASK 255.255.0.0 return: [SUCCESS]Set encoder 001 subnet mask address to 255.255.000.000. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	

3.40 Set up the RX gateway address

API joggle	
SET DEC [dec] STATIC GATEWAY [gw]	
description	
Sets the gateway address of RX and is only valid when IPMODE is STATIC.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
gw	Gateway address, such as 169.254.0.1
returned value	**description**
[SUCCESS]Set encoder 001 gateway address to 169.254.000.001. Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart the RX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set the gateway address of RX to 169.254.0.1, enter the command: SET DEC 1 STATIC GATEWAY 169.254.0.1 return: [SUCCESS]Set encoder 001 gateway address to 169.254.000.001.	

Use "SET DEC xx NETWORK REBOOT" command to apply new config!!!

3.41 Set up the RX network card to restart

API joggle	
SET DEC [dec] NETWORK REBOOT	
description	
Set up the network restart for RX	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
returned value	**description**
[SUCCESS]Set decoder 001 reboot and apply all the new config.	The setting is successful and needs to restart the RX to take effect
example	
TELNET Log in to the CHAZY CONTROL Restart the RX 1 network card and enter the command: SET DEC 1 NETWORK REBOOT return: [SUCCESS]Set decoder 001 reboot and apply all the new config.	

3.42 Remove the RX from the system

API joggle	
SET DEC [dec] DELETE	
description	
delete RX	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
returned value	**description**
[SUCCESS]Delete decoder 001 done.	Delete RX 1 successfully
example	
TELNET Log in to the CHAZY CONTROL Delete RX 1, enter the command: SET DEC 1 DELETE return: [SUCCESS]Delete decoder 001 done.	

3.43 restart RX

API joggle	
SET DEC [dec] REBOOT	
description	
restart RX	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
returned value	**description**
[SUCCESS]Set decoder 001 reboot and apply all the new config.	Restart success
example	
TELNET Log in to the CHAZY CONTROL Restart RX 1, enter the command: SET DEC 1 REBOOT return: [SUCCESS]Set decoder 001 reboot and apply all the new config.	

3.44 reset RX

API joggle	
SET DEC [dec] RESET	
description	
reset RX	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
returned value	**description**
[SUCCESS]Set decoder 001 reset to default setting.	The reset was successful
example	
TELNET Log in to the CHAZY CONTROL Reset the RX 1, enter the command: SET DEC 1 RESET return: [SUCCESS]Set decoder 001 reset to default setting.	

3.45 Get the RX status information

API joggle
GET DEC [dec] STATUS
description

To obtain the status information of RX, to obtain the status information of all RX without the parameter dec, namely, GET DEC STATUS is the same as GET DEC 0 STATUS.	
parameter	**description**
dec	[001... 762]: RXID number 0: All RX
returned value	**description**
Returns the RX status information	Include the version number, network information and other states
example	

TELNET Log in to the CHAZY CONTROL

Get the RX 1 status information, and enter the command:

GET DEC 1 STATUS

return:

```
================================================================
                    CHAZY CONTROL Decoder Info
                    FW Version: 1.00.17

ID      Type     Net      HPD     Ver          Mode     Res     Rotate    Name
001     Gen 2    On       Off     3.01.17    MX         00      0           Decoder 001
      >>Fix      Vid /Aud /IR    /Ser /USB /CEC     MCast Video Mute
                 000 /000 /000 /000 /000 /000     On      On      Off
      >>Sel      Vid /Aud /IR    /Ser /USB /CEC
                 013 /013 /013 /013 /013 /013
      >>SAC      OSP     SGEn/Br/Bit
        ARC      4       Off /9 /8n1
      >>Pin      IOVOL/IODIR/IODAT IRVOL RLY     PHY
        (1)      12      Out     0       12      Open    Copper
        (2)      12      Out     0               Open
      >>IM       MAC
        Static 6C:DF:FB:01:1A:CE
      >>IP                  GW                  SM
        169.254.020.001   169.254.001.001   255.255.000.000
================================================================
```

3.46 Set the RX preset IP mode

API joggle	
SET DEC PRESET IPMODE [mode]	
description	
Set the IP mode of RX preset and assign the IP of RX preset when RX is added to the system	
parameter	**description**
mode	0:AUTOIP 1:DHCP 2:STATIC

returned value	description
[SUCCESS]Set decoder preset IP to static mode.	Set successfully, the RX preset IP mode is static
example	
TELNET Log in to the CHAZY CONTROL Set the RX preset IP mode to static, enter the command: SET DEC PRESET IPMODE 2 return: [SUCCESS]Set decoder preset IP to static mode.	

3.47 Sets the RX preset IP start address

API joggle	
SET DEC PRESET START IP [ip]	
description	
Sets the IP start address for the RX preset	
parameter	**description**
ip	IP addresses, such as 169.254.10.10
returned value	**description**
[SUCCESS]Set decoder preset IP min 172.016.010.001.	Set the IP start address for the RX preset to 172.16.10.1
example	
TELNET Log in to the CHAZY CONTROL Set the IP start address for RX preset to 172.16.10.1, enter the command: SET DEC PRESET START IP 172.16.10.1 return: [SUCCESS]Set decoder preset IP min 172.016.010.001.	

3.48 Set the RX preset IP end address

API joggle	
SET DEC PRESET END IP [ip]	
description	
Set the IP end address of RX preset. The end address should be greater than the starting address and in the same network segment.	
parameter	**description**
ip	IP addresses, such as 169.254.20.10
returned value	**description**
[SUCCESS]Set decoder preset IP max 172.016.010.200.	Set the IP end address for the RX preset to 172.16.10.200
example	

TELNET Log in to the CHAZY CONTROL Set the IP end address of the RX preset to 172.16.10.200, enter the command: SET DEC PRESET END IP 172.16.10.200 return: [SUCCESS]Set decoder preset IP max 172.016.010.200.

3.49 Sets the RX preset subnet mask

API joggle	
SET DEC PRESET SM [mask]	
description	
Set the subnet mask for the RX preset	
parameter	**description**
mask	Subnet mask, such as 255.255.0.0
returned value	**description**
[SUCCESS]Set decoder preset netmask 255.255.000.000.	Set the subnet mask for the RX preset to 255.255.0.0
example	
TELNET Log in to the CHAZY CONTROL Set the subnet mask for the RX preset to 255.255.0.0, enter the command: SET DEC PRESET SM 255.255.0.0 return: [SUCCESS]Set decoder preset netmask 255.255.000.000.	

3.50 Set the RX preset gateway address

API joggle	
SET DEC PRESET GW [gw]	
description	
Set the gateway address for the RX preset	
parameter	**description**
gw	Gateway address, such as 169.254.0.1
returned value	**description**
[SUCCESS]Set decoder preset gateway 172.016.010.001.	Set the gateway address for the RX preset to 172.16.10.1
example	
TELNET Log in to the CHAZY CONTROL Set the gateway address of the RX preset to 172.16.10.1, enter the command: SET DEC PRESET GW 172.16.10.1 return: [SUCCESS]Set decoder preset gateway 172.016.010.001.	

3.51 Save the RX preset configuration

API joggle	
SET DEC PRESET APPLY	
description	
Save the preset configuration of RX, and after the preset IP mode above is set, you need to call APPLY to save it.	
parameter	**description**
returned value	**description**
[SUCCESS]Set decoder preset IP done.	Saving the RX preset configuration is complete
example	
TELNET Log in to the CHAZY CONTROL Save the RX preset configuration, and enter the command: SET DEC PRESET APPLY return: [SUCCESS]Set decoder preset IP done.	

4. The TX control module API reference

4.1 Set the TXID number

API joggle	
SET ENC [enc] ID [id]	
description	
Set the TXID number.	
parameter	**description**
enc	[001... 762]: TXID No
id	[001... 762]: Target ID No
returned value	**description**
[SUCCESS]Set enc oder 001 ID to 760.	Set the TX 1 ID number to 760
[ERROR]Enc oder 100 does not exist.	The TX 100 does not exist
example	
TELNET Log in to the CHAZY CONTROL TX 1 ID Set to 760, enter the command: SET ENC 1 ID 760 return: [SUCCESS]Set enc oder 001 ID to 760.	

4.2 Set the TX name

API joggle	
SET ENC [enc] NAME [name]	
description	
Set the TX name.	
parameter	**description**
enc	[001... 762]: TXID No
name	Name, with a maximum length of 16 bytes
returned value	**description**
[SUCCESS]Set enc oder 001 name:TEST1.	Set the TX 1 name to be the TEST 1
example	
TELNET Log in to the CHAZY CONTROL Set the TX 1 alias to TEST 1, enter the command: SET ENC 1 NAME TEST1 return: [SUCCESS]Set enc oder 001 name:TEST1.	

4.3 Lock up the TX ARC route

API joggle
SET ENC [enc] SWITCH [dec] ARC
description

Lock in the TX ARC signal routing.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
dec	[001...762]: R X ID No 0: Unlock
returned value	**description**
[SUCCESS]Set encoder 001 ARC select decoder 003.	Set the TX 1 lock ARC signal routing to RX 3
example	
TELNET Log in to the CHAZY CONTROL input command: SET ENC 1 SWITCH 3 ARC return: [SUCCESS]Set encoder 001 ARC select decoder 003. input command: SET ENC 1 SWITCH 0 ARC return: [SUCCESS]Set encoder 001 ARC unselect input.	

4.4 The control TX power LED flashes

API joggle	
SET ENC [enc] LED ON/OFF SET ENC [enc] LED ON 90	
description	
The control TX power LED flashes.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
ON	The power LED flashes
OFF	The power LED is often on
ON 90	The power light flashes for 90 seconds
returned value	**description**
[SUCCESS]Flash power LED on enc oder 001.	Bthe TX 1 power LED
example	
TELNET Log in to the CHAZY CONTROL Flash the power light, enter the command: SET ENC 1 LED ON return: [SUCCESS]Flash power LED on enc oder 001. The power light is always on, input command: SET ENC 1 LED O FF return:	

[SUCCESS]Disable flash power LED on enc oder 001. Flash the power LED for 90 seconds, enter the command: SET ENC 1 LED ON 90 return: [SUCCESS]Flash power LED on enc oder 001 and keep 90 seconds.

4.5 Set up the TX audio source

API joggle	
SET ENC [enc] AUDIO INPUT HDMI/ANA	
description	
Set up the TX audio source.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
HDMI	Audio is from the HDMI IN
ANA	Audio is from the analog input AUDIO IN L / R
returned value	**description**
[SUCCESS]Set encoder 001 audio select hdmi.	Set the TX 1 audio source to be the HDMI
example	
TELNET Log in to the CHAZY CONTROL Set the TX 1 audio source to HDMI, enter the command: SET ENC 1 AUDIO INPUT HDMI return: [SUCCESS]Set encoder 001 audio select hdmi.	

4.6 Set up the TX EDID

API joggle	
SET ENC [enc] EDID DEFAULT [edid]	
description	
Set up the TX EDID	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
edid	00: 1080P,Stereo Audio 2.0 SDR 01: 1080P,Dolby/DTS 5.1 SDR 02: 1080P,HD Audio 7.1 SDR 03: 1080I,Stereo Audio 2.0 SDR 04: 1080I,Dolby/DTS 5.1 SDR 05: 1080I,HD Audio 7.1 SDR 06: 3D,Stereo Audio 2.0 SDR 07: 3D,Dolby/DTS 5.1 SDR 08: 3D,HD Audio 7.1 SDR

	09: 4K2K30_444,Stereo Audio 2.0 SDR 10: 4K2K30_444,Dolby/DTS 5.1 SDR 11: 4K2K30_444,HD Audio 7.1 SDR 12: 4K2K60_420,Stereo Audio 2.0 SDR (10/12-bit) 13: 4K2K60_420,Dolby/DTS 5.1 SDR (10/12-bit) 14: 4K2K60_420,HD Audio 7.1 SDR (10/12-bit) 15: 4K2K60_444,Stereo Audio 2.0 SDR (10/12-bit) 16: 4K2K60_444,Dolby/DTS 5.1 SDR (10/12-bit) 17: 4K2K60_444,HD Audio 7.1 SDR (10/12-bit) 18: 4K2K60_444,Stereo Audio 2.0 HDR (10/12-bit) 19: 4K2K60_444,Dolby/DTS 5.1 HDR (10/12-bit) 20: 4K2K60_444,HD Audio 7.1 HDR (10/12-bit) 21: DVI 1280x1024@60Hz, Audio None 22: DVI 1920x1080@60Hz, Audio None 23: DVI 1920x1200@60Hz, Audio None 25: User EDID 1 26: User EDID 2
returned value	**description**
[SUCCESS]Set encoder 001 edid with default edid 00.	Set TX1 EDID to 1080P, Stereo Audio 2.0 SDR
example	
TELNET Log in to the CHAZY CONTROL Set TX1 EDID to 1080P, Stereo Audio 2.0 SDR, enter the command: SET ENC 1 EDID DEFAULT 0 return: [SUCCESS]Set encoder 001 edid with default edid 00.	

4.7 Set up the TX copy of the RX EDID

API joggle	
SET ENC [enc] EDID COPY [dec]	
description	
Set the EDID of the TX copy of the RX	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
dec	[001...762]: R X ID No
returned value	**description**
[SUCCESS]Copy decoder 002 edid to encoder 001.	Set the EDID of the TX 1 copy of the RX 2
example	

TELNET Log in to the CHAZY CONTROL Set the EDID of the TX 1 copy RX 2, enter the command: SET ENC 1 EDID COPY 2 return: [SUCCESS]Copy decoder 002 edid to encoder 001.

4.8 Set the TX IR level

API joggle	
SET ENC [enc] IR VOL 5V/12V	
description	
Set the TXIR level.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
5V	Use a 5V IR wire line
12V	Use a 12V IR wire line
returned value	**description**
[SUCCESS]Set enc oder 001 IR voltage 5V.	Set the TX 1 to use a 5V IR wire
example	
TELNET Log in to the CHAZY CONTROL Set the TX 1 to use a 5V IR wire, enter the command: SET ENC 1 IR VOL 5V return: [SUCCESS]Set enc oder 001 IR voltage 5V.	

4.9 Set the TXIO level

API joggle	
SET ENC [enc] IO VOL 5V/12V	
description	
Set the TXIO level.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
5V	The IO level was set at 5V
12V	The IO level was 12V
returned value	**description**
[SUCCESS]Set enc oder 001 io voltage 5V.	Set the TX1 IO level to 5V
example	

TELNET Log in to the CHAZY CONTROL Set the TX1 IO level to 5V, and enter the command: SET ENC 1 I O VOL 5V return: [SUCCESS]Set enc oder 001 io voltage 5V.

4.10 Set the TXIO direction

API joggle	
SET ENC [enc] IO 1 DIR IN/OUT SET ENC [enc] IO 2 DIR IN/OUT	
description	
Set the TXIO direction.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
IN	The IO is set as the input
OUT	The IO is set to the output
returned value	**description**
[SUCCESS]Set enc oder 001 IO 1 as input port.	Set the TX1 IO 1 as the input
example	
TELNET Log in to the CHAZY CONTROL Set TX1 IO 1 as input, enter a command: SET ENC 1 IO 1 DIR IN return: [SUCCESS]Set enc oder 001 IO 1 as input port.	

4.11 Set the TXIO output level

API joggle	
SET ENC [enc] IO 1 OUT 0/1 SET ENC [enc] IO 2 OUT 0/1	
description	
Set the TXIO output level, only if the IO direction is set to the output.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
0	IO output low level
1	IO output at a high level
returned value	**description**
[SUCCESS]Set enc oder 001 IO 1 output level 0.	Set the TX1 IO 1 output low level
example	

TELNET Log in to the CHAZY CONTROL Set the TX1 IO 1 output low level, enter the command: SET ENC 1 IO 1 OUT 0 return: [SUCCESS]Set enc oder 001 IO 1 output level 0.

4.12 Set up the TX Relay switch

API joggle	
SET ENC [enc] RELAY 1 OPEN/CLOSE SET ENC [enc] RELAY 2 OPEN/CLOSE	
description	
Set up the TX Relay switch.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
OPEN	Relay break
CLOSE	Relay close
returned value	**description**
[SUCCESS]Set enc oder 001 Relay 1 close.	Set the TX1 Relay 1 to close
example	
TELNET Log in to the CHAZY CONTROL Set the TX1 Relay 1 to close, and enter the command: SET ENC 1 RELAY 1 CLOSE return: [SUCCESS]Set enc oder 001 Relay 1 close.	

4.13 Set up the TX CEC / ARC switch

API joggle	
SET ENC [enc] SAC ARC/CEC/OFF	
description	
Switch TX C EC / ARC switch, open the CEC by default.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
ARC	open ARC
CEC	open CEC
OFF	Close the CEC and the ARC
returned value	**description**
[SUCCESS]Set enc oder 001 select ARC, the enc oder will reboot if setting changed.	Set the TX 1 to enable the ARC
example	

TELNET Log in to the CHAZY CONTROL Set the TX 1 to turn on the ARC and enter the command: SET ENC 1 SAC ARC return: [SUCCESS]Set enc oder 001 select ARC, the enc oder will reboot if setting changed.

4.14 Set the TX electric mode

API joggle	
SET ENC [enc] NET FIBER/COPPER	
description	
Set TX optical mode, default to electrical port.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
FIBER	The network card is in light mode
COPPER	The network card is electric mode
returned value	**description**
[SUCCESS]Set enc oder 001 network interface to Copper.	Set the TX 1 network card to the electric mode
example	
TELNET Log in to the CHAZY CONTROL Set the TX 1 network card to the electric mode, enter the command: SET ENC 1 NET COPPER return: [SUCCESS]Set enc oder 001 network interface to Copper.	

4.15 Set the TX multicast mode

API joggle	
SET ENC [enc] MULTICAST ON/OFF	
description	
Set TX multicast mode on or off, default to off.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
ON	Set TX multicast mode on
OFF	Set TX multicast mode off
returned value	**description**
[SUCCESS]Set encoder 001 multicast on.	Set the TX 1 multicast on
example	

TELNET Log in to the CHAZY CONTROL Set the TX 1 multicast on, enter the command: SET ENC 1 MULTICAST ON return: [SUCCESS]Set encoder 001 multicast on.

4.16 Set the TX dante bridge

API joggle	
SET ENC [enc] DANTE BRIDGE ON/OFF	
description	
Set TX dante bridge on or off, default to off.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
ON	Set TX dante bridge on
OFF	Set TX dante bridge off
returned value	**description**
[SUCCESS]Set encoder 001 dante bridge on.	Set the TX 1 dante bridge on
example	
TELNET Log in to the CHAZY CONTROL Set the TX 1 dante bridge on, enter the command: SET ENC 1 DANTE BRIDGE ON return: [SUCCESS]Set encoder 001 dante bridge on.	

4.17 Set the TX dante vlan

API joggle	
SET ENC [enc] DANTE VLAN ON/OFF	
description	
Set TX dante vlan on or off, default to off.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
ON	Set TX dante vlan on
OFF	Set TX dante vlan off
returned value	**description**
[SUCCESS]Set encoder 001 dante VLAN on.	Set the TX 1 dante vlan on
example	

TELNET Log in to the CHAZY CONTROL Set the TX 1 dante vlan on, enter the command: SET ENC 1 DANTE VLAN ON return: [SUCCESS]Set encoder 001 dante VLAN on.

4.18 Set the TX dante vlan tag

API joggle	
SET ENC [enc] DANTE VLAN TAG [tag]	
description	
Set TX dante vlan tag, default to 2.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
tag	[1...4095]: VLAN tag
returned value	**description**
[SUCCESS]Set encoder 001 dante VLAN tag to 2.	Set the TX 1 dante vlan tag to 2
example	
TELNET Log in to the CHAZY CONTROL Set the TX 1 dante vlan on, enter the command: SET ENC 1 DANTE VLAN TAG 2 return: [SUCCESS]Set encoder 001 dante VLAN tag to 2.	

4.19 Send CEC data to TX (Guest mode)

API joggle	
SET ENC [enc] CEC SEND xx xx	
description	
Send CEC data to TX (Guest mode)	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
xx xx	16 decimal CEC instruction code
returned value	**description**
[SUCCESS]Send CEC data to enc oder 001 done.	The CEC instruction was sent successfully
example	
TELNET Log in to the CHAZY CONTROL input command: SET ENC 1 CEC SEND 4F 36 return: [SUCCESS]Send CEC data to enc oder 001 done.	

4.20 Send IR data to TX (Guest mode)

API joggle	
SET ENC [enc] IR SEND xx xx xx xx	
description	
Send IR data to TX (Guest mode)	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
xx xx xx xx	16 decimal IR instruction code, support CCF format
returned value	**description**
[SUCCESS]Send IR data to enc oder 001 done.	Send the IR command successfully
example	
TELNET Log in to the CHAZY CONTROL input command: SET ENC 1 IR SEND 000000670000002201560 0ab001600060001600060001600060001600160016006000160016001600600016001 6001600160016001600160016001600600016001600160060001600160016006000160060001600160016001600 6000160016001600160016006000160060001600600016001600160060001600160016006000160060001600160 016001600160016001600160593 return: [SUCCESS]Send IR data to enc oder 001 done.	

4.21 Set the TX serial port parameters

API joggle	
SET ENC [enc] GUEST ON/OFF BR [br] BIT [bit]	
description	
Set the TX serial port parameters	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
ON	Open the serial port to Guest mode
OFF	Close the serial port, Guest mode
br	[0:300 1:600 2:1200 3:2400 4:4800 5:9600] [6:19200 7:38400 8:57600 9:115200]
bit	Data Bits + Parity + Stop Bits example: 8n1 Data Bits=[5...8], Parity=[n o e], Stop Bits=[1..2]
returned value	**description**
[SUCCESS]Set serial guest mode config done.	The TX serial port parameter was set successfully
example	

TELNET Log in to the CHAZY CONTROL Set TX 1 open serial port Guest mode, port rate 115200,8-bit data bit, no check bit, 1-bit stop bit, input command: SET ENC 1 GUEST ON BR 9 BIT 8N1 return: [SUCCESS]Set serial guest mode config done.

4.22 Start the TX serial port, Guest mode

API joggle	
SET ENC [enc] GUEST	
description	
Start TX serial port Guest mode and is only valid if the serial port parameter is set to GUEST ON	
parameter	**description**
enc	[001... 762]: TXID No
returned value	**description**
not have	
example	
TELNET Log in to the CHAZY CONTROL Start the TX 1 serial port Guest mode and enter the command: SET ENC 1 GUEST	

4.23 Exit the TX serial port, Guest mode

API joggle	
EXITGUEST	
description	
After starting the TX serial port Guest mode, send the EXITGUEST to exit the Guest mode	
parameter	**description**
not have	
returned value	**description**
not have	
example	
TELNET Log in to the CHAZY CONTROL Exit the TX 1 serial port Guest mode and enter the command: EXITGUEST	

4.24 Set up the TXIP mode

API joggle

SET ENC [enc] IPMODE DHCP/STATIC	
description	
Set the IP mode for the TX	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
DHCP	trends IP
STATIC	static state IP
returned value	**description**
[SUCCESS]Set encoder 001 ip mode to dhcp. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart TX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set TX 1 to Dynamic IP mode, enter the command: SET ENC 1 IPMODE DHCP return: [SUCCESS]Set encoder 001 ip mode to dhcp. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	

4.25 Set up the TX IP address

API joggle	
SET ENC [enc] STATIC IP [ip]	
description	
Set the IP address for TX, only valid when IPMODE is STATIC.	
parameter	**description**
enc	[001... 762]: TXID No
ip	IP addresses, such as 169.254.10.10
returned value	**description**
[SUCCESS]Set enc oder 001 IP address to 169.254.020.006. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart TX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set the IP of TX 1 to 169.254.20.6, enter the command: SET ENC 1 STATIC IP 169.254.20.6 return: [SUCCESS]Set enc oder 001 IP address to 169.254.020.006. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	

4.26 Sets the TX subnet mask

API joggle	
SET ENC [enc] STATIC MASK [mask]	
description	
Set the subnet mask for TX, only valid when IPMODE is STATIC.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
mask	Subnet mask, such as 255.255.0.0
returned value	**description**
[SUCCESS]Set encoder 001 subnet mask address to 255.255.000.000. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart TX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set the subnet mask of TX 1 to 255.255.0.0, enter the command: SET ENC 1 STATIC MASK 255.255.0.0 return: [SUCCESS]Set encoder 001 subnet mask address to 255.255.000.000. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	

4.27 Set up the TX gateway address

API joggle	
SET ENC [enc] STATIC GATEWAY [gw]	
description	
Set the gateway address of TX, only valid when IPMODE is STATIC.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
gw	Gateway address, such as 169.254.0.1
returned value	**description**
[SUCCESS]Set encoder 001 gateway address to 169.254.000.001. Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!	The setting is successful and needs to restart TX to take effect
example	
TELNET Log in to the CHAZY CONTROL Set the gateway address of TX to 169.254.0.1, enter the command: SET ENC 1 STATIC GATEWAY 169.254.0.1 return: [SUCCESS]Set encoder 001 gateway address to 169.254.000.001.	

Use "SET ENC xx NETWORK REBOOT" command to apply new config!!!

4.28 Set up the TX network card to restart

API joggle	
SET ENC [enc] NETWORK REBOOT	
description	
Set the network restart for TX	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
[SUCCESS]Set enc oder 001 reboot and apply all the new config.	The setting is successful and needs to restart TX to take effect
example	
TELNET Log in to the CHAZY CONTROL Restart the TX 1 network card and enter the command: SET ENC 1 NETWORK REBOOT return: [SUCCESS]Set enc oder 001 reboot and apply all the new config.	

4.29 Remove the TX from the system

API joggle	
SET ENC [enc] DELETE	
description	
delete TX	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
[SUCCESS]Delete enc oder 001 done.	The TX 1 was deleted successfully
example	
TELNET Log in to the CHAZY CONTROL Delete TX 1, enter the command: SET ENC 1 DELETE return: [SUCCESS]Delete enc oder 001 done.	

4.30 restart TX

API joggle	
SET ENC [enc] REBOOT	
description	
restart TX	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
[SUCCESS]Set enc oder 001 reboot and apply all the new config.	Restart success
example	
TELNET Log in to the CHAZY CONTROL Restart the TX 1, and enter the command: SET ENC 1 REBOOT return: [SUCCESS]Set enc oder 001 reboot and apply all the new config.	

4.31 reset TX

API joggle	
SET ENC [enc] RESET	
description	
reset TX	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
[SUCCESS]Set enc oder 001 reset to default setting.	The reset was successful
example	
TELNET Log in to the CHAZY CONTROL Reset the TX 1, enter the command: SET ENC 1 RESET return: [SUCCESS]Set enc oder 001 reset to default setting.	

4.32 Gets the TX status information

API joggle
GET ENC [enc] STATUS
description

To obtain the status information of TX, to obtain the status information of all TX without the parameter enc, namely, GET ENC STATUS is the same as GET ENC 0 STATUS.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
Returns the TX status information	Include the version number, network information and other states
example	

TELNET Log in to the CHAZY CONTROL

Get the TX 1 status information and enter the command:

GET ENC 1 STATUS

return:

```
================================================================
                  CHAZY CONTROL Encoder Info
                  FW Version: 1.00.17

ID     Type    Net     Sig    Ver        EDID    Aud    MCast    Name
001    Gen 2   On      On     3.00.01    DF000   HDMI   On       Encoder 001
     >>Fix     Arc
               000
     >>Sel     Arc
               000
     >>SAC     SGEn/Br/Bit
       ARC     Off /9 /8n1
     >>Pin     IOVOL/IODIR/IODAT IRVOL RLY    PHY
       (1)     12      Out    0       12      Open   Copper
       (2)     12      Out    0               Open
     >>IM      MAC
       Static 6C:DF:FB:07:87:E9
     >>IP                  GW                  SM
       169.254.010.001   169.254.001.001   255.255.000.000
================================================================
```

4.33 Set the TX preset IP mode

API joggle	
SET ENC PRESET IPMODE [mode]	
description	
Set the IP mode of TX preset, and assign the IP of TX according to the TX preset mode when TX is added to the system	
parameter	**description**
mode	0:AUTOIP 1:DHCP

	2:STATIC
returned value	**description**
[SUCCESS]Set enc oder preset IP to static mode.	Set successfully, the TX preset IP mode is static
example	
TELNET Log in to the CHAZY CONTROL Set the TX preset IP mode to static, enter the command: SET ENC PRESET IPMODE 2 return: [SUCCESS]Set enc oder preset IP to static mode.	

4.34 Sets the TX preset IP start address

API joggle	
SET ENC PRESET START IP [ip]	
description	
Sets the IP start address for the TX preset	
parameter	**description**
ip	IP addresses, such as 169.254.10.10
returned value	**description**
[SUCCESS]Set enc oder preset IP min 172.016.010.001.	Set the IP start address for the TX preset to 172.16.10.1
example	
TELNET Log in to the CHAZY CONTROL Set the IP start address for TX preset to 172.16.10.1, enter the command: SET ENC PRESET START IP 172.16.10.1 return: [SUCCESS]Set enc oder preset IP min 172.016.010.001.	

4.35 Set the TX preset IP end address

API joggle	
SET ENC PRESET END IP [ip]	
description	
Set the IP end address of TX preset. The end address should be greater than the starting address and in the same network segment.	
parameter	**description**
ip	IP addresses, such as 169.254.20.10
returned value	**description**
[SUCCESS]Set enc oder preset IP max 172.016.010.200.	Set the IP end address of the TX preset to 172.16.10.200
example	

TELNET Log in to the CHAZY CONTROL Set the IP end address of the TX preset to 172.16.10.200, enter the command: SET ENC PRESET END IP 172.16.10.200 return: [SUCCESS]Set enc oder preset IP max 172.016.010.200.

4.36 Sets the TX preset subnet mask

API joggle	
SET ENC PRESET SM [mask]	
description	
Set the subnet mask for the TX preset	
parameter	**description**
mask	Subnet mask, such as 255.255.0.0
returned value	**description**
[SUCCESS]Set enc oder preset netmask 255.255.000.000.	Set the subnet mask for the TX preset to 255.255.0.0
example	
TELNET Log in to the CHAZY CONTROL Set the subnet mask of the TX preset to 255.255.0.0, enter the command: SET ENC PRESET SM 255.255.0.0 return: [SUCCESS]Set enc oder preset netmask 255.255.000.000.	

4.37 Set the TX preset gateway address

API joggle	
SET ENC PRESET GW [gw]	
description	
Set the gateway address for the TX preset	
parameter	**description**
gw	Gateway address, such as 169.254.0.1
returned value	**description**
[SUCCESS]Set enc oder preset gateway 172.016.010.001.	Set the gateway address of the TX preset to 172.16.10.1
example	
TELNET Log in to the CHAZY CONTROL Set the gateway address of TX preset to 172.16.10.1, enter the command: SET ENC PRESET GW 172.16.10.1 return: [SUCCESS]Set enc oder preset gateway 172.016.010.001.	

4.38 Save the TX preset configuration

API joggle	
SET ENC PRESET APPLY	
description	
Save the preset configuration of TX, and after the preset IP mode above is set, you need to call APPLY to save it.	
parameter	**description**
returned value	**description**
[SUCCESS]Set enc oder preset IP done.	Saving the TX preset configuration is complete
example	
TELNET Log in to the CHAZY CONTROL Save the TX preset configuration, and enter the command: SET ENC PRESET APPLY return: [SUCCESS]Set enc oder preset IP done.	

5. The DANTE control module API reference

5.1 Search dante devices

API joggle	
DANTE DEV SEARCH	
description	
Search dante devices.	
parameter	description
not have	
returned value	description
See below example.	Search dante devices.
example	

TELNET Log in to the CTL100DA
Search dante devices, enter the command:
DANTE DEV SEARCH
return:

```
================================================================
                    Search Dante Result Info


==Dante Device
Index    IP                MAC                  Name
001      169.254.27.127    34:d0:b8:27:05:a7    DA22XLR-WP-EU-V2-2705a7
002      169.254.20.1      6c:df:fb:00:00:1c    DAV-00001c
003      169.254.10.1      6c:df:fb:01:1a:85    DAV-011a85
004      169.254.20.3      6c:df:fb:09:80:11    Decoder-003
================================================================
```

5.2 Set the dante name

API joggle	
SET DANTE DEV [devname] NAME [name]	
description	
Set the dante name.	
parameter	**description**
devname	Dante device name
name	Name, with a maximum length of 16 bytes
returned value	**description**
[SUCCESS]Set dante Encoder-001 name to TX1.	Set the dante device Encoder-001 name to be the TX1
example	

TELNET Log in to the CHAZY CONTROL Set the dante device Encoder-001 name to TX1, enter the command: SET DANTE DEV Encoder-001 NAME TX1 return: [SUCCESS]Set dante Encoder-001 name to TX1.

5.3 Set the dante audio sample rate

API joggle	
SET DANTE DEV [devname] SRATE [rate]	
description	
Set the dante audio sample rate.	
parameter	**description**
devname	Dante device name
rate	Sample rate
returned value	**description**
[SUCCESS]Set dante TX1 srate to 44100.	Set the dante device TX1 audio sample rate to be 44100
example	
TELNET Log in to the CHAZY CONTROL Set the dante device TX1 audio sample rate to 44100, enter the command: SET DANTE DEV TX1 SRATE 44100 return: [SUCCESS]Set dante TX1 srate to 44100.	

5.4 Set the dante audio encoding

API joggle	
SET DANTE DEV [devname] ENC [enc]	
description	
Set the dante audio encoding.	
parameter	**description**
devname	Dante device name
enc	Encoding
returned value	**description**
[SUCCESS][SUCCESS]Set dante TX1 enc to 24.	Set the dante device TX1 audio encoding to be PCM24
example	
TELNET Log in to the CHAZY CONTROL Set the dante device TX1 audio encoding to PCM24, enter the command: SET DANTE DEV TX1 ENC 24 return: [SUCCESS][SUCCESS]Set dante TX1 enc to 24.	

5.5 Set the dante TX channel name

API joggle	
SET DANTE DEV [devname] AUDIO/VIDEO TXCHN [chn] NAME [name]	
description	
Set the dante TX channel name.	
parameter	**description**
devname	Dante device name
AUDIO	Audio channel
VIDEO	Video channel
chn	Channel number
name	Name, with a maximum length of 16 bytes
returned value	**description**
[SUCCESS]Set dante TX1 tx audio channel 1 name to ch1.	Set the dante device TX1 audio channel 1 name to ch1
example	
TELNET Log in to the CHAZY CONTROL Set the dante device TX1 audio channel 1 name to ch1, enter the command: SET DANTE DEV TX1 AUDIO TXCHN 1 NAME ch1 return: [SUCCESS]Set dante TX1 tx audio channel 1 name to ch1.	

5.6 Set the dante TX flow

API joggle	
SET DANTE DEV [devname] AUDIO/VIDEO TXFLOW [name] ID [id] SLOT [slot]	
description	
Set the dante TX flow.	
parameter	**description**
devname	Dante device name
AUDIO	Audio channel
VIDEO	Video channel
name	Name, with a maximum length of 16 bytes
id	Flow ID
slot	TX channels
returned value	**description**
[SUCCESS]Dante TX1 add tx flow 1 success.	Set the dante device TX1 audio TX flow
example	
TELNET Log in to the CHAZY CONTROL Set the dante device TX1 audio TX flow, enter the command: SET DANTE DEV TX1 AUDIO TXFLOW 1 ID 1 SLOT 1:2 return: [SUCCESS]Dante TX1 add tx flow 1 success.	

5.7 Delete the dante TX flow

API joggle	
SET DANTE DEV [devname] AUDIO/VIDEO TXFLOW [id] DELETE	
description	
Delete the dante TX flow.	
parameter	**description**
devname	Dante device name
AUDIO	Audio channel
VIDEO	Video channel
id	Flow ID
returned value	**description**
[SUCCESS]Dante TX1 delete tx flow 1 success.	Delete the dante device audio TX flow 1
example	
TELNET Log in to the CHAZY CONTROL Delete the dante device audio TX flow 1, enter the command: SET DANTE DEV TX1 AUDIO TXFLOW 1 DELETE return: [SUCCESS]Dante TX1 delete tx flow 1 success.	

5.8 Set the dante RX channel name

API joggle	
SET DANTE DEV [devname] AUDIO/VIDEO RXCHN [chn] NAME [name]	
description	
Set the dante RX channel name.	
parameter	**description**
devname	Dante device name
AUDIO	Audio channel
VIDEO	Video channel
chn	Channel number
name	Name, with a maximum length of 16 bytes
returned value	**description**
[SUCCESS]Set dante TX1 rx audio channel 1 name to 1.	Set the dante device TX1 audio rx channel 1 name to 1
example	
TELNET Log in to the CHAZY CONTROL Set the dante device TX1 audio rx channel 1 name to 1, enter the command: SET DANTE DEV TX1 AUDIO RXCHN 1 NAME 1 return: [SUCCESS]Set dante TX1 rx audio channel 1 name to 1.	

5.9 Set the dante subscribe

API joggle	
SET DANTE DEV [devname] AUDIO/VIDEO RXCHN [chn] SOURCE [txdev] CHN [chn]	
description	
Set the dante subscribe.	
parameter	**description**
devname	Dante device name
AUDIO	Audio channel
VIDEO	Video channel
chn	Channel number For AUDIO: number could be 1 or 2 for stereo audio Dante device. To set one channel at a time. For multi-channel Dante device for example with 8 channels, the number would be 1,2,3,4…7,8. Similar for 16/32/64 channels. The chn number in RXCHN [chn] and CHN [chn] could be different values to implement channel-cross configuration. For VIDEO: number always is 1.
txdev	TX dante device name
returned value	**description**
[SUCCESS]Set dante Decoder-001 rx channel 1 subscribe to 1@TX1.	Set the dante device Decoder-001 subscribe TX1 channel 1
example	
TELNET Log in to the CHAZY CONTROL Set the dante device Decoder-001 subscribe TX1 channel 1, enter the command: SET DANTE DEV Decoder-001 VIDEO RXCHN 1 SOURCE TX1 CHN 1 return: [SUCCESS]Set dante Decoder-001 rx channel 1 subscribe to 1@TX1.	

5.10 Set the dante latency

API joggle	
SET DANTE DEV [devname] LATENCY [latency]	
description	
Set the dante latency.	
parameter	**description**
devname	Dante device name
latency	Latency value
returned value	**description**
[SUCCESS]Set dante Decoder-001 latency to 5000.	Set the dante device Decoder-001 lantency to 5 milliseconds
example	

TELNET Log in to the CHAZY CONTROL
Set the dante device Decoder-001 lantency to 5 milliseconds, enter the command:
SET DANTE DEV Decoder-001 LATENCY 5000
return:
[SUCCESS]Set dante Decoder-001 latency to 5000.

5.11 Get the dante status

API joggle	
SET DANTE DEV [devname] STATUS	
description	
GET the dante status.	
parameter	**description**
devname	Dante device name
returned value	**description**
See below example.	Get the dante device TX1 status
example	

TELNET Log in to the CHAZY CONTROL
Get the dante device TX1 status, enter the command:
GET DANTE DEV TX1 STATUS
return:

```
================================================================
                    Controller(DA) Dante Info
                    FW Version: 1.00.17

ID      PVer     DVer        Name
001     2.0.0    1.0.6.1     TX1
      >>SampleRate    Support
        44100           44100,48000,88200,96000
      >>Encoding      Support
        PCM 24          24,16,32
      >>Latency       Support
        4000            5000
      >>Aes67Support    Aes67Enable    Aes67Prefix
        No                -                -
      >>Primary v1 Multicast
        Follower
      >>IM        MAC
            Static 6C:DF:FB:07:87:E9
      >>IP                  GW                  SM
        169.254.010.001   169.254.001.001   255.255.000.000
================================================================
```

6. TX SS Module API reference

6.1 Get the TX SS status information

API joggle	
GET ENC [enc] SS STATUS	
description	
To obtain the status information of TXSS, to obtain the status information of all TXSS without the parameter enc, namely, GET ENC SS STATUS is the same as GET ENC 0 SS STATUS.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
Returns the TXSS status information	Include the version number, network information and other states
example	

TELNET Log in to the CHAZY CONTROL

Get the TX 2 SS status information and enter the command:

GET ENC 2 SS STATUS

return:

```
================================================================
                    CHAZY CONTROL Secondary Stream Info
ID      WorkMode      Version
002     follow        1.12.02
>>MainStream URL
rtsp://169.254.110.1/live/main/av_stream
>>SubStream URL
rtsp://169.254.110.1/live/sub/av_stream
>>MainStream    EncType     Res          Fps    RcMode     BitRate   Gop    Profile
h265            auto        30           cbr    2          30        main
>>SubStream     EncType     Res          Fps    RcMode     BitRate   Gop    Profile
h264            480_270     30           cbr    3          30        baseline
>>IpMode        IpAdress          Mask              Gateway           MAC
static          169.254.110.1     255.255.0.0       169.254.10.1      6c:df:fb:09:47:b6
>>VlanTag       TagID
On              0

================================================================
```

6.2 Get the TX SS mainstream URL

API joggle
GET ENC [enc] SS MSURL
description

Get the mainstream URL of TX SS, Gen 1 device SS mainstream format is RTSP, Gen 2 device SS mainstream format is MJPG.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
Encoder 002 secondary stream MSURL:rtsp://169.254.110.1/live/main/av_stream.	The mainstream URL of TX 2 SS is rtsp://169.254.110.1/live/main/av_stream
example	
TELNET Log in to the CHAZY CONTROL Get the TX2 SS mainstream URL, enter the command: GET ENC 2 SS MSURL return: Encoder 002 secondary stream MSURL:rtsp://169.254.110.1/live/main/av_stream. Get the TX1 SS mainstream URL, enter the command: GET ENC 1 SS MSURL return: Encoder 001 secondary stream MSURL:http://169.254.10.2:8080/?action=stream.	

6.3 Gets the TX SS substream URL

API joggle	
GET ENC [enc] SS SSURL	
description	
Get the substream URL of TX SS, Gen 1 device SS substream format is RTSP, not supported by Gen 2 device.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
Encoder 002 secondary stream SSURL:rtsp://169.254.110.1/live/sub/av_stream.	The substream URL of TX 2 SS is rtsp://169.254.110.1/live/sub/av_stream
example	
TELNET Log in to the CHAZY CONTROL Get the TX2 SS secondary stream URL, enter the command: GET ENC 2 SS S SURL return: Encoder 002 secondary stream SSURL:rtsp://169.254.110.1/live/sub/av_stream.	

6.4 restart TX SS

API joggle
SET ENC [enc] SS REBOOT
description

Restart the TX SS, not supported by the Gen 2 device.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream reboot.	Restart the TX2 SS module
example	
TELNET Log in to the CHAZY CONTROL Restart the TX2 SS module and enter the command: SET ENC 2 SS REBOOT return: [SUCCESS]Set encoder 002 secondary stream reboot.	

6.5 reset TX SS

API joggle	
SET ENC [enc] SS RESET	
description	
Reset TX SS, Gen 2 device is not supported.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream reset to default setting.	Reset the TX2 SS module
example	
TELNET Log in to the CHAZY CONTROL Reset the TX2 SS module, enter the command: SET ENC 2 SS RESET return: [SUCCESS]Set encoder 002 secondary stream reset to default setting.	

6.6 Set the TX SS mainstream parameters

API joggle	
SET ENC [enc] SS MAINENCATTR E [etype] H [mhor] V [mver] B [mbr]	
description	
Set the mainstream parameters of TXSS, not supported by the Gen 2 device.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
etype	0:h264 1:h265

mhor	Set the encoding output image width, range: 960~1920, the value must be even
mver	Set the encoding output image height, range: 540~1080, the value must be even
mbr	Set the encoded bit rate (bps) 0:1Mb 1:2Mb 2:4Mb 3:6Mb 4:8Mb 5:10Mb 6:12Mb 7:16Mb 8:20Mb
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream MainEncAttr done.	Set success
example	
TELNET Log in to the CHAZY CONTROL Set the mainstream encoding format of TX 2 SS to h265, output image size 960x540, encoding bit rate 2Mbps, input command: SET ENC 2 SS MAINENCATTR E 1 H 960 V 540 B 1 return: [SUCCESS]Set encoder 002 secondary stream MainEncAttr done.	

6.7 Set the TX SS subflow parameter

API joggle	
SET ENC [enc] SS SUBENCATTR E [etype] H [shor] V [sver] B [sbr]	
description	
Set the secondary flow parameters of TXSS, not supported by the Gen 2 device.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
etype	0:h264 1:h265
s hor	Set the encoding output image width, range: 320~960, the value must be even
s ver	Set the encoding output image height, range: 180~540, the value must be even
s br	Set the encoded bit rate (bps) 0:128kb 1:256kb 2:512kb

	3:1Mb 4:2Mb
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream SubEncAttr done.	Set success
example	
TELNET Log in to the CHAZY CONTROL Set the secondary flow encoding format of TX 2 SS to h265, the output image size is 640x480, the encoding bit rate is 512 kbps, input command: SET ENC 2 SS SUBENCATTR E 1 H 640 V 480 B 2 return: [SUCCESS]Set encoder 002 secondary stream SubEncAttr done.	

6.8 Set up the TX SS operating mode

API joggle	
SET ENC [enc] SS WORKMODE [mode]	
description	
Set the working mode of TX SS, not supported by the Gen 2 device.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
mode	0:FOLLOW 1:DHCP 2:STATIC
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream workmode to follow.	Set the TX 2 SS to work in follow mode
example	
TELNET Log in to the CHAZY CONTROL Set the TX 2 SS to work in follow mode, enter the command: SET ENC 2 SS WORKMODE 0 return: [SUCCESS]Set encoder 002 secondary stream workmode to follow.	

6.9 Set up the TX SS IP

API joggle	
SET ENC [enc] SS NETWORK IP [ip] MASK [mask] GATEWAY [gw]	
description	
Set TX SS IP, only valid when SS works at DHCP and STATIC, not supported by Gen 2 devices.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX

ip	The IP address of the SS
mask	Subnet mask of the SS
gw	Gateway address of the SS
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream manual ip 192.168.30.50 netmask 255.255.255.0 gateway 192.168.30.1.	The IP of TX 2 SS is set to 192.168.30.50, the subnet mask is 255.255.255.0, and the gateway is 192.168.30.1
example	
TELNET Log in to the CHAZY CONTROL The IP of setting TX 2 SS is 192.168.30.50, the subnet mask is 255.255.255.0, and the gateway is 192.168.30.1. Enter the command: SET ENC 2 SS NETWORK IP 192.168.30.50 MASK 255.255.255.0 GATEWAY 192.168.30.1 return: [SUCCESS]Set encoder 002 secondary stream manual ip 192.168.30.50 netmask 255.255.255.0 gateway 192.168.30.1.	

6.10 Set up the TX SS VLAN TAG

API joggle	
SET ENC [enc] SS VLTAG ON [id] SET ENC [enc] SS VLTAG OFF	
description	
Set the VLAN TAG for TX SS, the Gen 2 device is not supported.	
parameter	**description**
enc	[001... 762]: TXID No 0: All TX
id	1 ~ 4094
returned value	**description**
[SUCCESS]Set encoder 002 secondary stream vlan ID to 10.	Set the VLAN TAG of TX 2 SS equal to 10
example	
TELNET Log in to the CHAZY CONTROL Set the VLAN TAG of TX 2 SS equal to 10, enter the command: SET ENC 2 SS VLTAG ON 10 return: [SUCCESS]Set encoder 002 secondary stream vlan ID to 10. Cancel the TX2 SS VLAN TAG and enter the command: SET ENC 2 SS VLTAG OFF return: [SUCCESS]Set encoder 002 secondary stream vlan ID to 0.	

7. Video wall module API reference

7.1 Create a video wall

API joggle	
CREATE WALL HANDLE [hdl]	
description	
Create a video wall	
parameter	**description**
hdl	[01...09]: Video wall ID number
returned value	**description**
[SUCCESS]Create video wall 1.	Create a video wall with an ID equal to 1
example	
TELNET Log in to the CHAZY CONTROL Create a video wall, the ID equals 1, enter the command: CREATE WALL HANDLE 1 return: [SUCCESS]Create video wall 1.	

7.2 Remove the video wall

API joggle	
DELETE WALL HANDLE [hdl]	
description	
Remove the video wall	
parameter	**description**
hdl	[01...09]: Video wall ID number
returned value	**description**
[SUCCESS]Delete videowall 1.	Delete the video wall of 1
example	
TELNET Log in to the CHAZY CONTROL Delete Video Wall 1, enter the command: DELETE WALL HANDLE 1 return: [SUCCESS]Delete videowall 1.	

7.3 Modifies the video wall name

API joggle	
SET WALL [hdl] NAME [name]	
description	
Modifies the name of the video wall	
parameter	**description**

hdl	[01...09]: Video wall ID number
name	Video wall name, up to 16 characters
returned value	**description**
[SUCCESS]Rename video wall 1: VW1.	Delete video wall 1 is named VW1
example	
TELNET Log in to the CHAZY CONTROL Delete the video wall 1 with the name VW1, enter the command: SET WALL 1 NAME VW1 return: [SUCCESS]Rename video wall 1: VW1.	

7.4 Set the video wall size

API joggle	
SET WALL [hdl] C [c] R [r]	
description	
Set the size of the video wall.	
parameter	**description**
hdl	[01...09]: Video wall ID number
c	Number of video wall columns
r	Number of video wall lines
returned value	**description**
[SUCCESS]Create video wall 1: NULL.	Set up the video wall 1 successfully
example	
TELNET Log in to the CHAZY CONTROL Set up the video wall for 2x2 and enter the command: SET WALL 1 C 2 R 2 return: [SUCCESS]Create video wall 1: NULL.	

7.5 Video wall is assigned to RX

API joggle	
SET WALL [hdl] DEC [dec] H [h] V [v]	
description	
Video wall is assigned to RX	
parameter	**description**
hdl	[01...09]: Video wall ID number
dec	[001...762]: R X ID No
h	Column number of video wall
v	Line number of video wall
returned value	**description**
[SUCCESS]Assign decoder 001 to video wall 1.	Assign the RX 1 to the video wall 1
example	

TELNET Log in to the CHAZY CONTROL Assign RX 1 to row 1, column 1 of video wall 1, enter the command: SET WALL 1 DEC 1 H 1 V 1 return: [SUCCESS]Assign decoder 001 to video wall 1.

7.6 Create a video wall preset

API joggle	
CREATE WALL [hdl] PRESET [prs]	
description	
Create a video wall preset, and the preset 1 will automatically create a new video wall	
parameter	**description**
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
returned value	**description**
[SUCCESS]Create preset 2: NULL.	Create preset success
example	
TELNET Log in to the CHAZY CONTROL Video Wall 1 Create a preset of 2, enter the command: CREATE WALL 1 PRESET 2 return: [SUCCESS]Create preset 2: NULL.	

7.7 Delete the video wall preset

API joggle	
DELETE WALL [hdl] PRESET [prs]	
description	
Delete the video wall preset.	
parameter	**description**
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
returned value	**description**
[SUCCESS]Delete preset: Preset 2.	Deleting the preset was successful
example	
TELNET Log in to the CHAZY CONTROL Video Wall 1 delete the preset 2, enter the command: DELETE WALL 1 PRESET 2 return: [SUCCESS]Delete preset: Preset 2.	

7.8 Modifies the video wall preset name

API joggle	
SET WALL [hdl] PRESET [prs] NAME [name]	
description	
Modifies the name of the video wall preset	
parameter	**description**
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
name	Preset name, up to 16 characters supported
returned value	**description**
[SUCCESS]Rename preset 1: TEST1.	Modifies the video wall preset name to TEST 1
example	
TELNET Log in to the CHAZY CONTROL Modify the name of the video wall 1 preset 1 to TEST 1, enter the command: SET WALL 1 PRESET 1 NAME TEST1 return: [SUCCESS]Rename preset 1: TEST1.	

7.9 Start the video wall preset

API joggle	
APPLY WALL [hdl] PRESET [prs]	
description	
Start the video wall preset.	
parameter	**description**
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
returned value	**description**
[SUCCESS]Apply preset: Preset 1.	Started preset success
example	
TELNET Log in to the CHAZY CONTROL Start the video wall 1 preset 1, enter the command: APPLY WALL 1 PRESET 1 return: [SUCCESS]Apply preset: Preset 1.	

7.10 Set up the video wall preset class

API joggle
SET WALL [hdl] PRESET [prs] CLASS [cls] H [h] V [v]
description
Set the video wall preset class and default all RX is in group A when the preset is created.

parameter	description
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
cls	[A... G]: Group ID number
h	Column number of video wall
v	Line number of video wall
returned value	**description**
[SUCCESS]Done.	Group was created successfully
example	
TELNET Log in to the CHAZY CONTROL Set the screen of video wall 1 to preset 1 group B, enter the command: SET WALL 1 PRESET 1 CLASS B H 2 V 1 return: [SUCCESS]Done.	

7.11 Set up the signal source for the video wall preset class

API joggle	
SET WALL [hdl] PRESET [prs] CLASS [cls] SOURCE [enc]	
description	
Set up the signal source for the video wall preset class.	
parameter	**description**
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
cls	[A... G]: Group ID number
enc	[001...762]: TXID number 0: Cancel the route
returned value	**description**
[SUCCESS]Done.	Set success
example	
TELNET Log in to the CHAZY CONTROL Set the signal source of the video wall 1 preset 1 packet B as TX 1, and enter the command: SET WALL 1 PRESET 1 CLASS B SOURCE 1 return: [SUCCESS]Done.	

7.12 Set up the video wall preset matrix group

API joggle	
SET WALL [hdl] PRESET [prs] MATRIX H [h] V [v]	
description	
Set the video wall preset matrix group, and the RX in the matrix group is in matrix mode.	
parameter	**description**
hdl	[01...09]: Video wall ID number

prs	[01...09]: Preset the ID number
h	Column number of video wall
v	Line number of video wall
returned value	**description**
[SUCCESS]Done.	Set the matrix composition work
example	
TELNET Log in to the CHAZY CONTROL Set the screen of the video wall 1, line 1, column 2 as the preset 1 matrix group, enter the command: SET WALL 1 PRESET 1 MATRIX H 2 V 1 return: [SUCCESS]Done.	

7.13 Set up the signal source for the video wall preset matrix group

API joggle	
SET WALL [hdl] PRESET [prs] MATRIX H [h] V [v] SOURCE [enc]	
description	
Set up the signal source for the video wall preset matrix group.	
parameter	**description**
hdl	[01...09]: Video wall ID number
prs	[01...09]: Preset the ID number
h	Column number of video wall
v	Line number of video wall
enc	[001...762]: TXID number 0: Cancel the route
returned value	**description**
[SUCCESS]Done.	Set success
example	
TELNET Log in to the CHAZY CONTROL Set the signal source of the video wall 1 preset 1 row 1 as TX 1, input command: SET WALL 1 PRESET 1 MATRIX H 2 V 1 SOURCE 1 return: [SUCCESS]Done.	

7.14 Set up the video wall screen width direction border

API joggle	
SET WALL [hdl] H [h] V [v] WIDTH BEZEL BW [b] IW [i]	
description	
Set the border of the width of the video wall screen.	
parameter	**description**
hdl	[01...09]: Video wall ID number
h	Column number of video wall
v	Line number of video wall

b	[100...1000]: Original image width
i	[100...1000]:, visible image width, i cannot be greater than b
returned value	**description**
[SUCCESS]Done.	Set success
example	
TELNET Log in to the CHAZY CONTROL Set the screen width direction of video wall 1 row 1 column 1 crop 10%, (BW-IW) / BW = 10%, enter command: SET WALL 1 H 1 V 1 WIDTH BEZEL BW 1000 IW 900 return: [SUCCESS]Done.	

7.15 Set up the video wall bezel

API joggle	
SET WALL [hdl] H [h] V [v] HEIGHT BEZEL BH [b] IH [i]	
description	
Set the border of the height direction of the video wall screen.	
parameter	**description**
hdl	[01...09]: Video wall ID number
h	Column number of video wall
v	Line number of video wall
b	[100...1000]: Raw image height
i	[100...1000]:, visible image height, i cannot be greater than b
returned value	**description**
[SUCCESS]Done.	Set success
example	
TELNET Log in to the CHAZY CONTROL Set the screen height orientation of video wall 1 row 1 column 10%, (BH-IH) / BH = 10%, enter command: SET WALL 1 H 1 V 1 HEIGHT BEZEL BH 1000 IH 900 return: [SUCCESS]Done.	

7.16 Get the video wall status

API joggle	
GET WALL [hdl] STATUS	
description	
Get the video wall status	
parameter	**description**
hdl	[01...09]: Video wall ID number

returned value	description
Print the video wall status information	
example	

TELNET Log in to the CHAZY CONTROL

Get the video wall 1 status information and enter the command:

GET WALL 1 STATUS

return:

```
================================================================
                    CHAZY CONTROL Video Wall Info
                    FW Version: 1.00.17

VW   Col      Row      CfgSel   Name
01   02       02       01       VW1
OutID
001 002 --- ---
Cfg      Name
01       TEST1
Class    From      Screen
A        001       H01V02 H02V02
B        001       H01V01
Single From
H02V01 001
================================================================
```

8. System management module API reference

8.1 Device search

API joggle	
SEARCH	
description	
Search for online devices	
parameter	**description**
not have	
returned value	**description**
Returns the current system online device information	
example	

TELNET Log in to the CHAZY CONTROL

Search for online devices and enter a command:

SEARCH

return:

[SUCCESS]More device in network will take more time to finish search, please wait...done.

==========

Search Device Result Info

==New Encoder

None

==System Control Encoder

Index	IP	MAC	ID
001	169.254.010.001	6C:DF:FB:00:87:81	002
002	169.254.010.003	6C:DF:FB:00:87:82	003
003	169.254.010.002	6C:DF:FB:01:1A:84	001
004	169.254.010.004	6C:DF:FB:01:1A:6C	004

==New Decoder

None

==System Control Decoder

Index	IP	MAC	ID
001	169.254.020.002	6C:DF:FB:01:1A:C2	002
002	169.254.020.004	6C:DF:FB:00:02:EF	001
003	169.254.020.003	6C:DF:FB:00:F3:66	004
004	169.254.020.001	6C:DF:FB:01:1A:CB	003

==========

8.2 View the device search results

API joggle	
GET SEARCH STATUS	
description	
View the device search results	
parameter	**description**
not have	
returned value	**description**
Returns the current system online device information	
example	

TELNET Log in to the CHAZY CONTROL

View the device search results and enter the command:

GET SEARCH STATUS

return:

```
================================================================
Search Device Result Info

==New Encoder
None

==System Control Encoder
Index    IP                  MAC                  ID
001      169.254.010.001     6C:DF:FB:00:87:81    002
002      169.254.010.003     6C:DF:FB:00:87:82    003
003      169.254.010.002     6C:DF:FB:01:1A:84    001
004      169.254.010.004     6C:DF:FB:01:1A:6C    004

==New Decoder
None

==System Control Decoder
Index    IP                  MAC                  ID
001      169.254.020.002     6C:DF:FB:01:1A:C2    002
002      169.254.020.004     6C:DF:FB:00:02:EF    001
003      169.254.020.003     6C:DF:FB:00:F3:66    004
004      169.254.020.001     6C:DF:FB:01:1A:CB    003
================================================================
```

8.3 Clear the device search results

API joggle
SEARCH RESET

description	
Clear the device search results	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]Reset search info.	Clear the device search results
example	
TELNET Log in to the CHAZY CONTROL Clear the device search results, enter the command: SEARCH RESET return: [SUCCESS]Reset search info.	

8.4 Automatically add new devices to the system

API joggle	
ADD AUTO ALL	
description	
Automatically add new devices to the system, and call the SEARCH interface to search the online device before calling this interface.	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]Add scan index 001 device to decoder 003. [SUCCESS]Add scan index 002 device to decoder 004. [SUCCESS]Add scan index 003 device to decoder 002. [SUCCESS]Add scan index 004 device to decoder 001.	New device was added successfully.
example	
TELNET Log in to the CHAZY CONTROL Automatically add new devices to the system and enter the command: ADD AUTO ALL return: [SUCCESS]Add scan index 001 device to decoder 003. [SUCCESS]Add scan index 002 device to decoder 004. [SUCCESS]Add scan index 003 device to decoder 002. [SUCCESS]Add scan index 004 device to decoder 001.	

8.5 Add the new TX devices to the system

API joggle

ADD DEV [dev] ENC [enc]	
description	
Add a new TX device to the system, and call the SEARCH interface to search the online device before calling this interface.	
parameter	**description**
dev	SEARCH The Index of the New Encoder in the Results
enc	[001...762]: TXID number 0: The system automatically assigns an ID
returned value	**description**
[SUCCESS]Add scan index 001 device to encoder 004.	Add TX devices with Index 1 in New Encoder to the system and assign ID 4
example	
TELNET Log in to the CHAZY CONTROL Add TX devices with Index 1 in New Encoder to the system and assign ID 4, enter the command: ADD DEV 1 ENC 4 return: [SUCCESS]Add scan index 001 device to encoder 004.	

8.6 Add the new RX devices, to the system

API joggle	
ADD DEV [dev] DEC [dec]	
description	
Add a new RX device to the system, and call the SEARCH interface to search the online device before calling this interface.	
parameter	**description**
dev	SEARCH The Index of the New De coder in the Results
dec	[001...762]: R X ID No 0: The system automatically assigns an ID
returned value	**description**
[SUCCESS]Add scan index 001 device to decoder 001.	The RX device with Index 1 in New De coder was added to the system and assigned ID 1
example	
TELNET Log in to the CHAZY CONTROL Add RX devices with Index 1 in New De coder to the system and assign ID 1, enter the command: ADD DEV 1 DEC 1 return: [SUCCESS]Add scan index 001 device to decoder 001.	

8.7 Clear the existing equipment in the system

API joggle

ADD DEV RESET	
description	
Clear the existing equipment in the system, and will Clear the information related to the equipment, such as VW.	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]Reset all Encoder/Decoder/Videowall/Search configuration.	Clear the existing equipment and related configuration in the system
example	
TELNET Log in to the CHAZY CONTROL Clear the existing equipment in the system, enter the command: ADD DEV RESET return: [SUCCESS]Reset all Encoder/Decoder/Videowall/Search configuration.	

9. CHAZY CONTROL Network configuration API reference

9.1 Set up the CHAZY CONTROL IP mode

API joggle	
SET NETWORK [lan] DHCP ON/OFF	
description	
Set the IP mode for the CHAZY CONTROL CONTROL LAN and VIDEO LAN ports.	
parameter	**description**
lan	LAN1: VIDEO LAN port LAN2: CONTROL LAN port
ON/OFF	ON: To enable the DHCP OFF: Turn off the DHCP with a static IP
returned value	**description**
[SUCCESS]Set lan2 DHCP to on. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	Set the CONTROL LAN port to the DHCP mode
example	
TELNET Log in to the CHAZY CONTROL Set the CONTROL LAN port to the DHCP mode, and enter the command: SET NETWORK LAN2 DHCP ON return: [SUCCESS]Set lan2 DHCP to on. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	

9.2 Set up the CHAZY CONTROL IP address

API joggle	
SET NETWORK [lan] STATIC IP [ip]	
description	
Set the IP address of CHAZY CONTROL CONTROL LAN and VIDEO LAN ports, only valid when the network port is set to static IP mode.	
parameter	**description**
lan	LAN1: VIDEO LAN port LAN2: CONTROL LAN port
ip	IP addresses, such as 169.254.20.10
returned value	**description**
[SUCCESS]Set lan2 IP address to 192.168.070.040. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	Set the IP of the CONTROL LAN port to 192.168.70.40
example	

TELNET Log in to the CHAZY CONTROL Set the IP of the CONTROL LAN port to 192.168.70.40, enter the command: SET NETWORK LAN2 STATIC IP 192.168.70.40 return: [SUCCESS]Set lan2 IP address to 192.168.070.040. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!

9.3 Set up the CHAZY CONTROL gateway address

API joggle	
SET NETWORK [lan] STATIC GATEWAY [gw]	
description	
Set the gateway address of CHAZY CONTROL CONTROL LAN and VIDEO LAN ports, only valid when the network port is set to static IP mode.	
parameter	**description**
lan	LAN1: VIDEO LAN port LAN2: CONTROL LAN port
gw	Gateway address, such as 169.254.0.1
returned value	**description**
[SUCCESS]Set lan2 gateway address to 192.168.070.001. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	The gateway address of the CONTROL LAN port is 192.168.70.1
example	
TELNET Log in to the CHAZY CONTROL Set the gateway address of the CONTROL LAN port to 192.168.70.1, enter the command: SET NETWORK LAN2 STATIC GATEWAY 192.168.70.1 NET RB return: [SUCCESS]Set lan2 gateway address to 192.168.070.001. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	

9.4 Set the CHAZY CONTROL subnet mask

API joggle	
SET NETWORK [lan] STATIC MASK [mask]	
description	
Set the subnet mask for CHAZY CONTROL CONTROL LAN and VIDEO LAN ports only when the port is set to static IP mode.	
parameter	**description**
lan	LAN1: VIDEO LAN port LAN2: CONTROL LAN port
mask	Subnet mask, such as 255.255.0.0
returned value	**description**
[SUCCESS]Set lan2 subnet mask address to	Set the subnet mask of the CONTROL

255.255.255.000. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	LAN port to 255.255.255.0
example	
TELNET Log in to the CHAZY CONTROL Set the subnet mask of the CONTROL LAN port to 255.255.255.0, enter the command: SET NETWORK LAN2 STATIC MASK 255.255.255.0 return: [SUCCESS]Set lan2 subnet mask address to 255.255.255.000. Use "SET NETWORK REBOOT" command or repower device to apply new config!!!	

9.5 Restart the CHAZY CONTROL network card

API joggle	
SET NETWORK REBOOT	
description	
Restart the CHAZY CONTROL network card, after modifying the network parameters, you need to send this API to make the configuration effective.	
parameter	**description**
not have	
returned value	**description**
[SUCCESS]Set network reboot and apply new config.	The network card was restarted successfully
example	
TELNET Log in to the CHAZY CONTROL Restart the network card and enter the command: SET NETWORK REBOOT return: [SUCCESS]Set network reboot and apply new config.	

9.6 Set the CHAZY CONTROL TELNET port number

API joggle	
SET NETWORK TELNET PORT [port]	
description	
Set the CHAZY CONTROL TELNET port number, which default to 23	
parameter	**description**
port	TELNET Port number, with a maximum value of 65535
returned value	**description**
[SUCCESS]Set telnet port to 0030.	Set the TELNET port number to 30
example	

TELNET Log in to the CHAZY CONTROL Set the TELNET port number to 30, and enter the command: SET NETWORK TELNET PORT 30 return: [SUCCESS]Set telnet port to 0030.

9.7 Set up the CHAZY CONTROL HTTPS switch

API joggle	
SET NETWORK HTTPS ON/OFF	
description	
Set the CHAZY CONTROL HTTPS switch, and the HTTPS is not turned on by default.	
parameter	**description**
ON/OFF	ON: Open the HTTPS OFF: Turn off the HTTPS
returned value	**description**
[SUCCESS]Set web gui https on.	open HTTPS
example	
TELNET Log in to the CHAZY CONTROL Open the HTTPS and enter the command: SET NETWORK HTTPS ON return: [SUCCESS]Set web gui https on.	

9.8 Modify the CHAZY CONTROL domain name

API joggle	
SET NETWORK DNS hostname	
description	
Modify the domain name of CHAZY CONTROL, and the default domain name is controller.local。	
parameter	**description**
hostname	Domain name, only support letters, numbers, and special characters such as _.
returned value	**description**
[SUCCESS]Set DNS domain name to test.local. System will restart, please wait...	Set the domain name to the test.local
example	
TELNET Log in to the CHAZY CONTROL Set the domain name to the test.local, Enter the command: SET NETWORK DNS test return: [SUCCESS]Set DNS domain name to test.local. System will restart, please wait...	