



INOGENI TOGGLE DOCK 2x1

User guide

Version 1.0

July 4, 2025

VERSION HISTORY

Version	Date	Description
1.0	July 4, 2025	Preliminary user guide for device launch.

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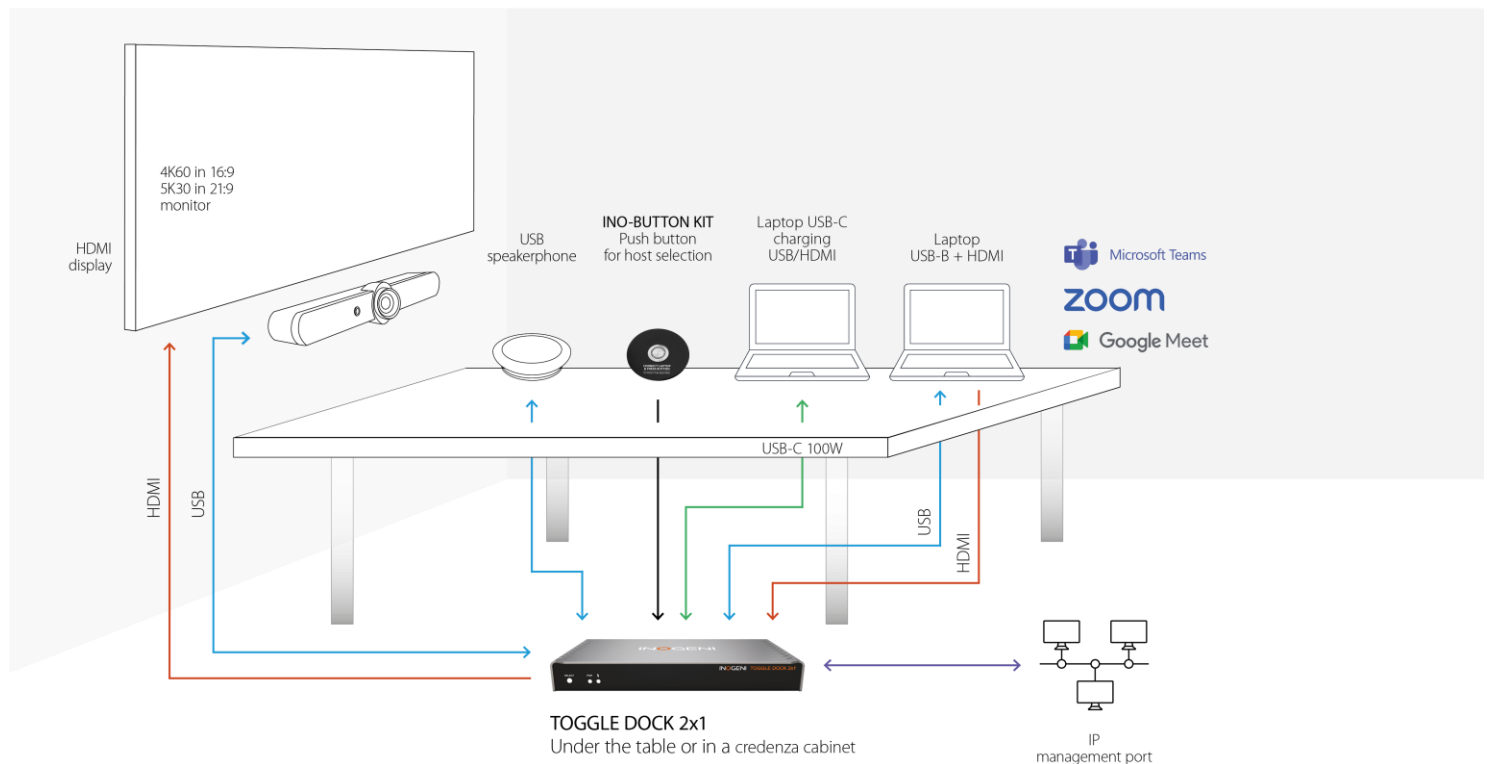
TYPICAL APPLICATION

TOGGLE DOCK 2x1 is a controllable 4K60 pro-AV switcher dock station that enables seamless switching between two laptop hosts. Effortlessly switch 3 USB peripherals + 1 display between the two hosts; it is the ultimate AV dock for professional installers. No Room PC required. With USB-C 100W Power Delivery, it ensures efficient power and connectivity. Versatile control options (push button, control pad, RS-232, or API) and simplified setup make it ideal for AV installers. This solution guarantees a user-friendly, efficient meeting experience with enhanced flexibility.

One cable to own your huddle room without any Room PC!

CONNECTIVITY DIAGRAM

Here is a simple connectivity diagram showing



DEVICE INTERFACES

Here are the devices interfaces.



Figure 1: Front side connections



Figure 2: Back side connections

Items	
1	SELECT button. This button will select proper host connection.
2	PWR and charging status leds.
3	24VDC power input.
4	USB-C laptop connection.
5	USB-B laptop connection.
6	HDMI laptop connection.
7	USB devices.
8	HDMI display output.
9	LAN interface.
10	RS232 and remote interface.
11	GPI/button interface.

LEDS BEHAVIOR

Here are the LEDs behavior:

SELECT	
OFF	Laptop not detected.
SOLID	Laptop detected and selected. When user presses the button and a laptop is connected, there will be pulses on the integrated led to indicate which laptop is selected: - 1x pulse: the "Laptop USB-C" host is selected. - 2x pulses: the "Laptop USB-B + HDMI" host is selected.
BLINK	Error condition. 1. When the user tries to switch to laptop if this one is not present or if USB or HDMI connections are missing. 2. When the user tries to switch host if button is locked through our API.
PWR	
OFF	Device not powered.
SOLID	Device powered.
Charging ⚡	
OFF	Laptop is not charging.
SOLID	Laptop is charging.

OPERATING MODES

Here are the operating modes supported by the device. They will be explained here.

AUTOMATIC MODE

In this mode, the device will switch to the last detected computer. You can assign priorities to specific USB-C or USB-B/HDMI hosts.

CUSTOM MODE

In this mode, the user can configure the USB and HDMI switching modes independently.

AUTOMATIC

This mode will switch automatically to the last source (USB or HDMI) connected if the operation mode is set to Custom. If the current source is disconnected, the device will switch back to the other source if it is detected. Push-button action and remote control are also supported.

MANUAL

The manual mode will enable you to force a specific source selection. Push-button action and remote control are also supported.

MANUAL WITH FALLBACK

The manual mode with fallback supports the same features as the manual mode. It will only add the possibility to switch to the other detected source connection automatically if the selected source is disconnected.

USB FOLLOWS HDMI

In this mode, the USB host selection depends on the HDMI source selected. If the HDMI display switching mode is set to “Automatic”, the selected USB host will be the one associated to the last detected HDMI display source.

Applicable only on the USB host switching mode.

HDMI FOLLOWS USB

In this mode, the HDMI source selection depends on the USB host selected. If the USB host switching mode is set to “Automatic”, the selected HDMI display source will be the one associated to the last detected USB host.



NOTE: You cannot set “USB follows HDMI” and “HDMI follows USB” modes simultaneously.

SPECIFICATIONS

Here is the complete specification.

Main feature	
Description	The TOGGLE DOCK 2x1 4Kp60 USB/HDMI switcher effortlessly connects to three USB 3.0 devices and an HDMI display. Seamlessly switching between 2x hosts providing convenient charging capabilities of up to 100W via USB-C. Additionally, this versatile solution allows for remote control through RS-232 or GPI, ensuring a seamless and user-friendly experience in any videoconference setting.
Host - Laptop	
1x USB-C connector	Supports USB-C DisplayPort Alternate Mode • DisplayPort up to 3840x2160p60 / 4096x2160p60 • USB 3.0 (USB 3.1 Gen 1 / 5 Gbps) • USB 2.0 (480 Mbps) • Charges up to 100W • USB-C cable locking option
1x USB connector	USB 3.0 Type-B
1x HDMI connector	Up to 3840x2160p60 / 4096x2160p60 Cable locking option
HDMI display output	
Resolution	Up to 3840x2160p60 / 4096x2160p60 / Compatible with a 5Kp30 widescreen in 21:9
Connector	HDMI with cable locking option
USB devices	
Connectors	3 x USB 3.0 Type-A ports
Power	1.8A shared between downstream ports
Video - HDMI	
HDCP compliance	Compliant with HDCP2.3, HDCP2.2 and HDCP1.4
HDMI compliance	Compliant with HDMI2.0b, HDMI1.4 and DVI1.0
Sampling frequency	600MHz
Chroma subsampling	YUV/RGB 4:4:4, 4:2:2
CEC	Ability to send CEC commands to connected HDMI display sink
Audio - HDMI	
Audio	Audio passthrough from input to output
Formats	LPCM, Dolby Digital and DTS up to 192kHz
Control	
Control options	• Front button – For laptop selection • RS232 • GPI • LAN • USB
IP interface	10/100Mbps Supports DHCP or static addressing IP control available through RESTAPI and Telnet connections
RS-232 interface	4-POS. terminal block connector Baud rates: 9600 [default], 19200, 38400 and 115200 Data bits: 8 Stop bits: 1 Parity: None Flow control: None

GPI interface	4-POS. terminal block connector 2x Contact-closure control GPI: - Controlled by open-drain IO (short to ground) or driven IO - Supported voltage range: 0 to 12V max - Voltage threshold is 2.3V VOUT: - Able to power up the led on the button of our INO-Button accessory - Logic-low level: 0 @ 0.5V - Logic-high level: 4.5 @ 5V
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Compatibility	
Operating system	NO driver installation necessary! Windows 10 and above macOS 10.10 and above Linux (kernel v2.6.38) and above
Consumed USB tiers	1 tier The device adds 1 tier to the USB chain because of the embedded USB hub.

Physical details	
Package dimensions	25.1 cm x 11.57 cm x 3.26 cm 9.88" x 4.56" x 1.28"
Power supply	160W (85-264VAC 50/60Hz to 24V/6.67A DC)
Weight	790 g (1.74 lb)
Package contents	1 x TOGGLE DOCK 2x1 1 x USB-C to USB-C cable – 6 ft. 1 x USB 3.0 cable (USB-A to USB-B) – 3 ft. 2 x terminal block 4-pos 2 x mounting brackets 4 x M2.5 mounting screws for brackets on product 4 x screws for Toggle Dock 2x1 table/wall mount 1 x power supply 85-264VAC 50/60Hz to 24V/6.67A DC / 160W International adapters included in the box (USA/CA or EU/UK/AU/BIS) 1 x PSU mounting bracket 4 x screws for PSU table/wall mount 4 x rubber feet
Operating temperature	0° to 45° C 32° to 113° F
Storage temperature	-40° to 105° C -40° to 221° F
Relative humidity	0% to 90% non-condensing
Mounting options	Ability to mount under the table or on a wall

Information	
UPC code	051497468064
Origin	Canada
Warranty	5 years

Certifications	
Certifications device	FCC, CE, UKCA, RoHS, RCM, SoV, NOM
Certifications power supply	FCC, CE, UKCA, CB, CB IEC62368, UL, TUV, Test report
TAA - Compliant	Yes

SERIAL COMMUNICATION PROTOCOL

Here is the complete list of commands provided through the serial connection. As written on the back of the device, here is the pinout of the terminal block.



Pin 1: Receive
Pin 2: GND
Pin 3: Transmit
Pin 4: 5V supply (for INOGENI Remote)



NOTE: The user needs to put a **space character** between the command name and argument.

You need to add a carriage return **<CR>** character and a line feed **<LF>** character at the end of the command string.

Typically, commands will return "ACK**<CR><LF>**" in case of success and "NACK**<CR><LF>**" in case of failure.

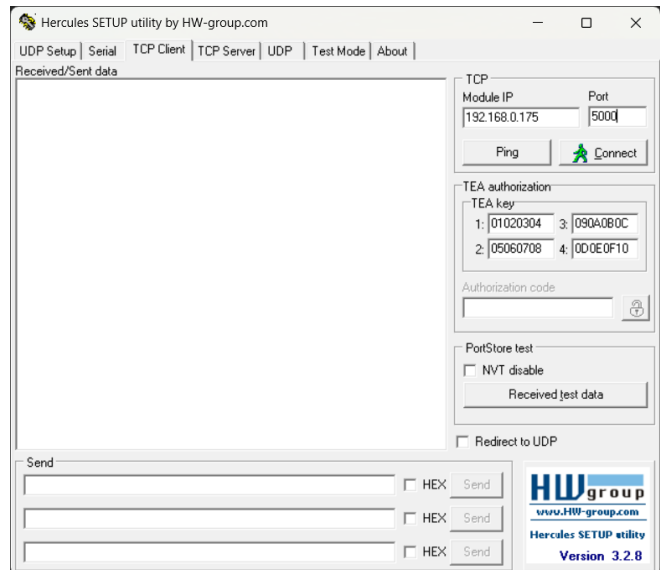
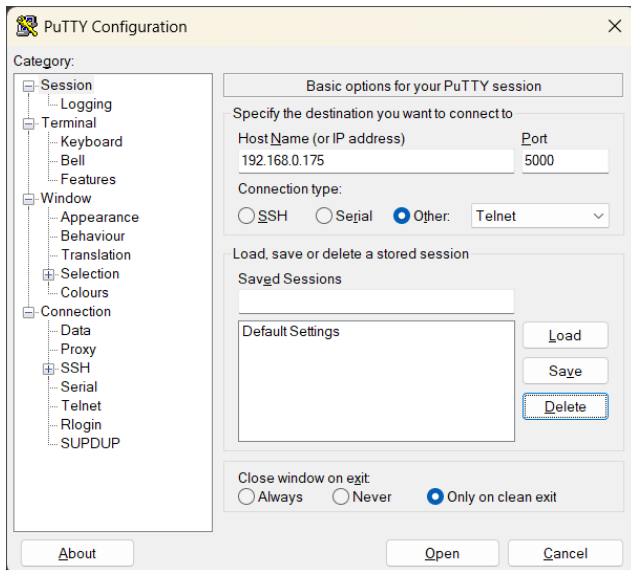
Baud rate: 9600 [default] // **Data bits:** 8 // **Stop bits:** 1 // **Parity:** None // **Flow control:** None

See the "API Commands" section for all the commands available.

TCP TO RS232 TUNNELING

The device can act as a TCP to RS232 bridge over the TCP port **5000**. Any data sent/receive on this TCP socket will entirely be presented to the RS232 connection. Enabling this option through the device configuration or API will disable the "Serial communication protocol" of the device.

You can use the [PuTTY](#) or [Hercules](#) clients to test your device with your equipment.



REST API

You can enable a bearer authentication in the HTTP header (Authorization: Bearer <token>) through our configuration page to increase security on the API.

There will be a return code to each call with the following commands:

200 => success

400 => error

401 => authorization error

The return body will usually be JSON formatted with a "message" field containing a JSON string explaining the cause of the error or "success" in case of success. Note that we are using self-signed certificates.

It is also possible to embed arguments to an API call inside the URL to ease configuration with some control systems with the following topology:

GET https://<IP>/api/v1/<COMMAND>?<ARG1>=value&<ARG2>=value

where <COMMAND>, <ARG1> and <ARG2> are command and associated arguments.

For example, using the **usbHost** command, you can issue the following request:

GET https://<IP>/api/v1/**usbHost**?host=1

This request will set the USB host to laptop USB-C port.

The following commands allow to perform password management and bearer token management. By default, no authentication is required to perform action using the REST API. Authentication can be enabled through the embedded webpage or the REST API itself.

Command URL / Description	Body arguments	Return body
HTTP POST https://<IP>/api/v1/changePassword Change the password to <newPassword>.	<pre>{ "oldPassword": "<oldPassword>", "newPassword": "<newPassword>" }</pre>	<pre>{ "message": <String> }</pre>
HTTP GET https://<IP>/api/v1/accessToken Return the bearer token.		<pre>{ "token": <String> "message": <String> }</pre>
HTTP POST https://<IP>/api/v1/accessToken Generate random access token and activate bearer token authentication for REST API.		<pre>{ "token": <String> "message": <String> }</pre>
HTTP DELETE https://<IP>/api/v1/accessToken Delete and deactivate bearer token.		<pre>{ "message": <String> }</pre>
HTTP GET https://<IP>/api/v1/accessTokenEn?enable=<number> Activate (1) or Deactivate (0) access token for REST APIss		<pre>{ "message": <String> }</pre>

The bearer token is generated using a random process. The format of the bearer token only supports the following:

- Alphanumeric (A to Z) upper and lowercase characters.
- Numbers 0–9.

See the “API Commands” section for all the commands available.

TELNET

You can use any telnet application to communicate with the device using TCP. Make sure to use the right IP address and **port 23**.

Use the serial communication protocol to configure the device.

The `quit` command can be used to ask server for disconnection.

See the “API Commands” section for all the commands available.

API COMMANDS

Here is the list of the RS232 and RESTAPI commands available for the device. The two interfaces share the same API.

TX	When command have all body arguments, it will apply the configuration to the device.
RX	When command does not have any body arguments or only first argument is provided, it will return information from the device.

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
AUTOHDMICECPWR - autoHdmiCecPwr	Get/Set the automatic CEC power control of the connected display. When enabled, the device will turn on/off the display depending on the actual state of the HDMI source routed to the display.	TX <enable>	ACK<CR><LF>	enable=<enable>	{ "message": <String> }
	<enable> options: 0 => OFF 1 => ON	RX	ENABLE=<enable><CR><LF> ACK<CR><LF>		{ "enable": <enable>, "message": <String> }
BAUDRATE - baudrate	Set RS232 baud rate.	TX <baudrate>	ACK<CR><LF>	baudrate=<baudrate>	{ "message": <String> }
	<baudrate> options: 0 => 9600 1 => 19200 2 => 38400 3 => 115200	RX	BAUDRATE=<baudrate><CR><LF> > ACK<CR><LF>		{ "baudrate": <baudrate>, "message": <String> }
BTNLOCK - btnLock	Get/Set the button lock status.	TX <lockState>	ACK<CR><LF>	btnLock=<lockState>	{ "message": <String> }
	<lockState> options: 0 => Not locked 1 => Locked	RX	BTNLOCK=<lockState><CR><LF> > ACK<CR><LF>		{ "btnLock": <lockState>, "message": <String> }
CECPASSTHROUGHEN - cecPassthroughEn	Get/Set CEC passthrough setting from source to display. This setting allows CEC commands to be sent or not from the video source to the connected display. Manual CEC commands will continue to work regardless of this setting.	TX <enable>	ACK<CR><LF>	enable=<enable>	{ "message": <String> }
	<enable> options: 0 => OFF 1 => ON [default]	RX	ENABLE=<src><CR><LF> ACK<CR><LF>		{ "enable": <host>, "message": <String> }
CECTOGGLEMUTE - cecToggleMute	Toggle mute control.	TX	ACK<CR><LF>		{ "message": <String> }
CECVOLDOWN - cecVolDown	Decrease display volume.	TX	ACK<CR><LF>		{ "message": <String> }
CECVOLUP - cecVolUp	Increase display volume.	TX	ACK<CR><LF>		{ "message": <String> }
DISPLAYSRC - displaySrc	Get/Set which HDMI source to be routed to display output.	TX <src>	ACK<CR><LF>	displaySrc=<src>	{ "message": <String> }
	<src> options:				

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
	1 => Laptop USB-C 2 => Laptop HDMI 3 => OFF	RX	DISPLAYSRC=<src><CR><LF> ACK<CR><LF>		{ "displaySrc": <src>, "message": <String> }
DISPLAYSWMODE - displaySwMode	Get/Set HDMI display source switching mode. The operation mode must be set to "Custom" to use this. <swMode> options: 0 => Automatic mode [default] 1 => Manual mode 2 => Manual mode with fallback 3 => HDMI follows USB mode	TX <swMode>	ACK<CR><LF>	displaySwMode=<swMode>	{ "message": <String> }
		RX	DISPLAYSWMODE=<host><CR><LF> ACK<CR><LF>		{ "displaySwMode": <swMode>, "message": <String> }
EDID - edid	Set specific EDID modes to be reported to video source. <src> options: 1 => Laptop USB-C 2 => Laptop HDMI <edid> options: 0 => Passthrough 1 => User EDID 2 => 3840x2160p60 3 => 3840x2160p50 4 => 3840x2160p30 5 => 3840x2160p25 6 => 1920x1080p60 7 => 1920x1080p50 8 => 1280x720p60 9 => 1280x720p50 10 => 5120x2160p30 11 => 5120x2160p25	TX <src> <edid>	ACK<CR><LF>	src=<src> edid=<edid>	{ "message": <String> }
		RX	EDID=<edid><CR><LF> ACK<CR><LF>	src=<src>	{ "edid": <edid>, "message": <String> }
EDIDHDMIOUT - edidHdmiOut	Get/Set the EDID from the sink and report it to the associated source. This will put the EDID mode of the associated source to "User EDID". <sink> options: 0 => Display <src> options: 1 => Laptop USB-C 2 => Laptop HDMI <edidHdmiOut> => formatted 256 bytes array	TX <sink> <src>	ACK<CR><LF>	src=<sink> src=<src>	{ "message": <String> }
		RX <sink>	EDIDUSR=<edidUsr><CR><LF> ACK<CR><LF>	sink=<sink>	{ "edidHdmiOut": <edidHdmiOut>, "message": <String> }
EDIDUSR - edidUsr	Set specific EDID modes to be reported to video source. <src> options: 1 => Laptop USB-C 2 => Laptop HDMI <edidUsr> => formatted 256 bytes array	TX <src> <256 bytes array>	ACK<CR><LF>	src=<src> edidUsr=<256 bytes array>	{ "message": <String> }
		RX <src>	EDIDUSR=<edidUsr><CR><LF> ACK<CR><LF>	src=<src>	{ "edidUsr": <edidUsr>, "message": <String> }

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
GPICFG - gpiCfg	Get/Set the GPI configuration. NOTE: In pulse mode, a short to GND on this pin will trigger the function. The function will be executed on GPI falling edge. GPI rising edge has no effect. In level mode, the function will be executed on short to GND and open states. <gpi> options: 1 => GPI1 2 => GPI2 <mode> options: 0 => Pulse mode [default] 1 => Level mode <function> options: 0 => Disabled. 1 => Laptop select [default GPI1] SHORT = LAPTOP USB-B/HDMI OPEN = LAPTOP USB-C 2 => USB host control [default GPI2] SHORT = LAPTOP USB-B/HDMI OPEN = LAPTOP USB-C 3 => Display video source control SHORT = LAPTOP USB-B/HDMI OPEN = LAPTOP USB-C	TX <gpi> <mode> <function>	ACK<CR><LF>	gpi=<gpi> mode=<mode> function=<function>	<pre>{ "message": <String> }</pre>
		RX <src>	MODE=<mode><CR><LF> FUNCTION=<function><CR><LF> > ACK<CR><LF>	gpi=<gpi>	<pre>{ "mode": <mode>, "function": <function>, "message": <String> }</pre>
HDCPCTL - hdcpCtl	Get/Set the HDCP setting. <src> options: 1 => Laptop USB-C 2 => Laptop HDMI <hdcp> options: 0 => Disabled 1 => HDCP v1.4 2 => HDCP v2.2 3 => Auto	TX <src> <hdcp>	ACK<CR><LF>	src=<src> hdcp=<hdcp>	<pre>{ "message": <String> }</pre>
		RX <src>	HDCP=<hdcp><CR><LF> ACK<CR><LF>	src=<src>	<pre>{ "hdcp": <hdcp>, "message": <String> }</pre>
HELP - help	Return commands list with description.	RX	List of all the supported commands.		List of all the supported commands.
HOSTBUTTON - hostButton	This function gives the same functionality as the front button or the INO – BUTTON KIT action.	TX	ACK<CR><LF>		<pre>{ "message": <String> }</pre>
HOSTMEETING - hostMeeting	This function allows the device to switch USB and HDMI connections to the provided host connection. This is a momentary control. As soon as there are events over USB and HDMI signals, the preconfigured modes will take over. This control is similar to the actual front button and also when user is using the INO – BUTTON KIT. <host> options: 1 => Laptop USB-C 2 => Laptop USB-B/HDMI	TX <host>	ACK<CR><LF>	host=<host>	<pre>{ "host": <host>, "message": <String> }</pre>

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
HOSTNAME - hostname	Get/Set the hostname of the device. This command will change the device name when probed over the network and the name of the USB HID interface	TX <hostname>	ACK<CR><LF>	hostname=<hostname>	{ "message": <String> }
	<hostname> option: String defined hostname to be shown on the network and USB HID interface. This string must not have space characters.	RX	HOSTNAME=<src><CR><LF> ACK<CR><LF>		{ "hostname": <host>, "message": <String> }
HTTPEN - httpEn	Get/Set HTTP control setting.	TX <enable>	ACK<CR><LF>	enable=<enable>	{ "message": <String> }
	<enable> options: 0 => OFF 1 => ON	RX	ENABLE=<enable><CR><LF> ACK<CR><LF>		{ "enable": <enable>, "message": <String> }
NETWORK - network	Get/Set network settings.	TX <mode> <ip> <netmask> <gateway>	ACK<CR><LF>	mode=<mode> ip=<ip> netmask=<netmask> gateway=<gateway>	{ "message": <String> }
	<mode> options: static => addressing is static dhcp => use DHCP addressing If mode is static, IP and netmask are required while gateway is optional. <ip> option: String defined IP address. Example: 192.168.0.20 <netmask> option: String defined netmask address. Example: 255.255.0.0 <gateway> option: String defined gateway address. Example: 192.168.0.1				
OPMODE - opMode	Get/Set operation mode.	TX <opMode>	ACK<CR><LF>	opMode=<opMode>	{ "message": <String> }
	By default, the device will operate in auto mode. The system will switch to the last detected input or the selected priority if available. When Custom mode is set, the user can set the USB and display source switching modes independently. <opMode> options: 1 => Auto 2 => Custom	RX	OPMODE=<src><CR><LF> ACK<CR><LF>		{ "opMode": <opMode>, "message": <String> }

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
PRIORDISPLAYSRC - priorDisplaySrc	Get/Set display source priority. Only applicable when operation mode is set to "Custom" and display source switching mode is set to "automatic" or "manual with fallback".	TX <src>	ACK<CR><LF>	priorDisplaySrc=<src>	{ "message": <String> }
	<src> options: 1 => Laptop USB-C 2 => Laptop HDMI 3 => Last detected source [default]	RX	PRIORDISPLAYSRC=<src><CR><LF> ACK<CR><LF>		{ "priorDisplaySrc": <host>, "message": <String> }
PRIORHOSTMEETING - priorHostMeeting	Get/Set host system priority. The function will select which computer to use as the prioritized source, including USB and video associated to the same computer. Only applicable when operation mode is set to "Auto"	TX <host>	ACK<CR><LF>	host=<host>	{ "message": <String> }
	<host> options: 1 => Laptop USB-C 2 => Laptop USB-B/HDMI 3 => Last detected laptop [default]	RX	PRIORHOSTMEETING=<host><CR> ><LF> ACK<CR><LF>		{ "priorHostMeeting": <host>, "message": <String> }
PRIORUSBHOST - priorUsbHost	Get/Set USB priority. Only applicable when operation mode is set to "Custom" and USB host switching mode is set to "automatic" or "manual with fallback".	TX <host>	ACK<CR><LF>	priorUsbHost=<host>	{ "message": <String> }
	<host> options: 1 => Laptop USB-C 2 => Laptop USB-B 3 => Last detected host [default]	RX	PRIORUSBHOST=<host><CR><LF> > ACK<CR><LF>		{ "priorUsbHost": <host>, "message": <String> }
REBOOT - reboot	Reboot the device.	TX	ACK<CR><LF>		{ "message": <String> }
RSTR - rstr	Restore default settings (including password and REST API token).	RX	ACK<CR><LF>		{ "message": <String> }
SCALER - scaler	Get/Set the scaler options over the HDMI video outputs. <output> options: 0 => Display output <enable> options: 0 => OFF 1 => ON	TX <output> <enable>	ACK<CR><LF>	output=<output> enable=<enable>	{ "message": <String> }
		RX <output>	ENABLE=<enable><CR><LF> ACK<CR><LF>	output=<output>	{ "enable": <enable>, "message": <String> }
STATUS - status	Return laptop information, display and output timings.	RX	List of all the status of the device.		List of all the status of the device.

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
TELNETEN - telnetEn	Get/Set telnet control setting. <enable> options: 0 => OFF (default) 1 => ON	TX <enable>	ACK<CR><LF>	enable=<enable>	{ "message": <String> }
		RX	ENABLE=<enable><CR><LF> ACK<CR><LF>		{ "enable": <enable>, "message": <String> }
TUNNELINGEN - tunnelingEn	Get/Set the TCP to RS232 tunneling setting option available on port 5000. <enable> options: 0 => OFF (default) 1 => ON	TX <enable> <enable> <baudrate> <dataBits> <stopBits> <parity>	ACK<CR><LF>	enable=<enable> baudrate=<baudrate> dataBits=<dataBits> stopBits=<stopBits> parity=<parity>	{ "message": <String> }
	Optionally, the user can select baud rate, data bits, stop bits and parity settings. If those are not provided, the device will use default RS232 configuration. <baudrate> options: 0 => 9600 1 => 19200 2 => 38400 3 => 115200 <dataBits> options: 0 => 7 bits 1 => 8 bits 2 => 9 bits <stopBits> options: 0 => 1 bit 1 => 2 bits <parity> options: 0 => none 1 => even 2 => odd	RX	ENABLE=<enable><CR><LF> BAUDRATE=<baudrate><CR><LF> DATABITS=<dataBits><CR><LF> STOPBITS=<stopBits><CR><LF> PARITY=<parity><CR><LF> ACK<CR><LF>		{ "enable": <enable>, "baudrate"=<baudrate>, "dataBits"=<dataBits>, "stopBits"=<stopBits>, "parity"=<parity>, "message": <String> }
USBC4K60EN - usbc4K60En	Get/Set the USB-C working mode. NOTE: Enabling DisplayPort signal to support 4K60 will disable USB3.0 connectivity on USB-C port. USB2.0 will remain active.	TX <mode>	ACK<CR><LF>	usbc4K60En=<mode>	{ "message": <String> }
	Disabling this option will allow user to support USB3.0 and 4K30 video. <mode> options: 0 => Disable 4K60 [default] 1 => Enable 4K60	RX	USBC4K60EN=<mode><CR><LF> ACK<CR><LF>		{ "usbc4K60En": <mode>, "message": <String> }

API command (RS232 - RESTAPI)	Description	RS232 payload	RS232 return	RESTAPI payload	RESTAPI return
USBDEVEN - usbDevEn	Get/Set the power on USB devices ports according to specific hosts. <host> options: 1 => Laptop USB-C 2 => Laptop HDMI 3 => When no host detected <devices> options: Bitmask to enabled ports. 	TX <host> <devices>	ACK<CR><LF>	host=<host> devices=<devices>	{ "message": <String> }
	<devices> 0 OFF OFF OFF 1 ON OFF OFF 2 OFF ON OFF 3 ON ON OFF 4 OFF OFF ON 5 ON OFF ON 6 OFF ON ON 7 ON ON ON	RX <host>	DEVICES=<devices><CR><LF> ACK<CR><LF>	host=<host>	{ "devices": <devices>, "message": <String> }
USBHOST - usbHost	Get/Set USB host to use. <host> options: 1 => Laptop USB-C 2 => Laptop USB-B 3 => OFF	TX <host>	ACK<CR><LF>	usbHost=<host>	{ "message": <String> }
		RX	USBHOST=<host><CR><LF> ACK<CR><LF>		{ "usbHost": <host>, "message": <String> }
USBHOSTSWMODE - usbHostSwMode	Get/Set USB host switching mode. The operation mode must be set to "Custom" to use this. <swMode> options: 0 => Automatic mode [default] 1 => Manual mode 2 => Manual mode with fallback 3 => USB follows HDMI mode	TX <swMode>	ACK<CR><LF>	usbHostSwMode=<swMode>	{ "message": <String> }
		RX	USBHOSTSWMODE=<host><CR><LF> ACK<CR><LF>		{ "usbHostSwMode": <swMode>, "message": <String> }
VERSION - version	Return firmware version.	RX	MAJOR=<Integer><CR><LF> MINOR=<Integer><CR><LF> ACK<CR><LF>		{ "major": <Integer>, "minor": <Integer> }
VOUT - vout	Get/Set the VOUT level. NOTE: By default, the firmware will drive this output to power up a led when enabling the BYOM mode. If the user wants to override this behavior, it is possible by changing the <vout> option.	TX <vout>	ACK<CR><LF>	vout=<vout>	{ "message": <String> }
	<vout> options: 0 => Controlled by firmware. 1 => Logic-low. 2 => Logic-high.	RX	VOUT=<vout><CR><LF> ACK<CR><LF>		{ "vout": <vout>, "message": <String> }

INOGENI MAESTRO APPLICATION

You can use our [INOGENI Maestro](#) application to monitor firmware information and upgrade your unit.



NOTE: You need to use the USB-B to USB-A cable provided with the box for the Maestro application to detect the unit.

STATUS TAB

The screenshot displays the Maestro Device controller application window. The interface is divided into several sections:

- Left Sidebar:** Contains the 'Maestro Device controller' logo, a 'DETECTED DEVICES' section showing a 'TOGGLE DOCK 2x1' with connection details (USB, Firmware version 1.0), and the 'Maestro version - v2.1.0' with a link to the website.
- Top Section:** Features a 'TOGGLE-DOCK-005001' header, a 'Device friendly name' field, an image of the device, and a 'REBOOT DEVICE' button with a 'Reboot the device' link.
- General Information Table:** A table with columns for 'GENERAL' and 'INPUTS'. It lists details such as Firmware version (1.0), MAC address (38:76:05:00:50:01), IP address (192.168.0.197), Serial number (TDX4070025), and Selected USB host (Laptop USB-B). It also includes a 'Firmware, inputs and outputs information' link.
- Settings and System Tabs:** Below the general information, there are tabs for 'STATUS' (selected), 'SETTINGS', 'SYSTEM', and 'RESOURCES'. The 'STATUS' tab is further divided into 'GENERAL' and 'DEVICE CONFIGURATION' sections.
- Device Configuration:** This section includes 'Video inputs' (Laptop USB-C, Laptop HDMI) and 'Video outputs' (Display). It lists various settings like Resolution, HDCP, EDID mode, Operation Mode, Host system priority, Selected DISPLAY source, Selected USB host, and USB-C 4K60 support.
- Bottom Right:** A 'Status of the whole device' link.

This section contains all the firmware information, video sources detections/resolutions along with the actual configuration of the unit.

SETTINGS TAB

DETECTED DEVICES

TOGGLE DOCK 2x1
Connection
Firmware version

TOGGLE-DOCK-005001
USB
1.0

Maestro version - v2.1.0

Please check [INOGENI's website](#) for latest version

TOGGLE-DOCK-005001

GENERAL

Firmware version: 1.0
MAC address: 38:76:05:00:50:01
IP address: 192.168.0.197
Serial number: TDX4070025
USB HOST: Laptop USB-B
Selected USB host: Laptop USB-B

INPUTS

USB-C DisplayPort: No video
Laptop HDMI: No video

OUTPUTS

Display: No video

REBOOT DEVICE

SELECT

STATUS

SETTINGS

SYSTEM

RESOURCES

Operation Mode

Automatic

Custom

Host system priority

Last detected source

USB

Selected USB host: Laptop USB-B

USB-C 4K60 support: On

Off

USB devices power control

	USB #1		USB #2		USB #3	
Laptop USB-C	On	Off	On	Off	On	Off
Laptop USB-B	On	Off	On	Off	On	Off
No host	On	Off	On	Off	On	Off

DEVICE CONFIGURATION

- Change the operation mode of the unit.
 - o Auto
 - In this mode, switching between laptops is automatic upon host detection.
 - o Custom mode
 - In this mode, USB and HDMI display switching modes can be independently controlled.

OPERATION MODE

Operation Mode

Automatic

Custom

DISPLAY switching mode: Automatic

USB switching mode: Automatic

DISPLAY source priority: Last detected source

USB priority: Last detected source

- USB configuration
 - o User can select the USB host.
 - o USB-C 4K60 support.
 - You can turn ON/OFF 4K60 support over USB-C. If you enable 4K60 support, there will be no USB3.0 support over USB-C. Only USB2.0 will remain.
 - o USB devices power control
 - This control allows you to turn ON/OFF USB power on each port depending on the host selected.

The screenshot shows the Maestro Device controller web interface. The top navigation bar includes tabs for STATUS, SETTINGS (active), SYSTEM, and RESOURCES. The left sidebar displays the Maestro logo and a list of detected devices: TOGGLE DOCK 2x1 and TOGGLE-DOCK-005001. The main content area is divided into several sections:

- GENERAL**: Displays device information including Firmware version (1.0), MAC address (38:76:05:00:50:01), IP address (192.168.0.197), Serial number (TDX4070025), and USB HOST (Laptop USB-B).
- INPUTS**: Shows video input status for USB-C DisplayPort (No video) and Laptop HDMI (No video).
- OUTPUTS**: Shows video output status for Display (No video).
- VIDEO**: Contains detailed video configuration options:
 - Video inputs**:
 - Laptop USB-C: HDCP (OFF), EDID mode (1080p60)
 - Laptop HDMI: HDCP (OFF), EDID mode (1080p60)
 - Video outputs**:
 - Selected source: Display, OFF
 - HDMI scaler: On, Off (selected)
 - Save EDID from source: Read Display Edid

At the bottom left, the interface indicates 'Maestro version - v2.1.0' and provides a link to the INOGENI website for the latest version.

VIDEO

- Video inputs
 - o HDCP
 - Can be turned ON/OFF and appropriate HDCP version can be set.
 - o EDID mode
 - Can report EDID information based on actual display, using preset EDIDs or using a user EDID that can be uploaded to the device.
- Video outputs
 - o User can select video source to be shown on specified output.

DETECTED DEVICES

TOGGLE DOCK 2x1

TOGGLE-DOCK-005001

Connection: USB

Firmware version: 1.0

Maestro version - v2.1.0

Please check [INOGENI's website](#) for latest version.

TOGGLE-DOCK-005001

GENERAL

Firmware version: 1.0

MAC address: 38:76:05:00:50:01

IP address: 192.168.0.197

Serial number: TDX4070025

USB HOST: Laptop USB-B

Selected USB host: Laptop USB-B

INPUTS

USB-C DisplayPort: No video

Laptop HDMI: No video

OUTPUTS

Display: No video

REBOOT DEVICE

SELECT

STATUS

SETTINGS

SYSTEM

RESOURCES

OPERATION MODE: ^

USB: ^

VIDEO: ^

CEC DISPLAY CONTROL v

Power

On Off

Volume

Volume Up Volume Down Mute

Automatic CEC Power

On **Off**

PassThrough

On Off

CEC DISPLAY CONTROL

- Power
 - o Can turn ON/OFF connected display.
- Volume
 - o Can send volume UP/DOWN commands.
 - o Can send toggle mute command.
- Automatic CEC power
 - o Device can automatically send power ON/OFF commands to display when selected video sources is detected or not.

Maestro Device controller

TOGGLE-DOCK-005001

DETECTED DEVICES

TOGGLE DOCK 2x1 TOGGLE-DOCK-005001
Connection USB
Firmware version 1.0

Maestro version - v2.1.0
Please check [INOGENI's website](#) for latest version.

GENERAL

Firmware version	1.0
MAC address	38:76:05:00:50:01
IP address	192.168.0.197
Serial number	TDX4070025
USB HOST	
Selected USB host	Laptop USB-B

INPUTS

USB-C DisplayPort	No video
Laptop HDMI	No video

OUTPUTS

Display	No video
---------	----------

REBOOT DEVICE

SELECT

STATUS **SETTINGS** **SYSTEM** **RESOURCES**

SECURITY

Telnet Connection

On Off

WEB INTERFACE CONFIGURATION

HTTP Server

On Off

NETWORK

IP Mode

DHCP Static

IP address 192.168.0.197

Subnet mask 255.255.255.0

Gateway 192.168.0.1

SECURITY

- Telnet connection
 - o Allows the device to be connected to a telnet client.
- HTTP server
 - o Allow the device to be controlled through HTTP.

NETWORK

- IP mode
 - o Device can be configured using DHCP or static IP address.
 - o If static IP addressing is selected, you can set IP address, subnet mask and gateway.

DETECTED DEVICES

TOGGLE DOCK 2x1

TOGGLE-DOCK-005001

Connection: USB

Firmware version: 1.0

Maestro version - v2.1.0

Please check [INOGENI's website](#) for latest version.

TOGGLE-DOCK-005001

GENERAL

Firmware version: 1.0

MAC address: 38:76:05:00:50:01

IP address: 192.168.0.197

Serial number: TDX4070025

USB HOST: Laptop USB-B

Selected USB host: Laptop USB-B

INPUTS

USB-C DisplayPort: No video

Laptop HDMI: No video

OUTPUTS

Display: No video

REBOOT DEVICE

SELECT

STATUS

SETTINGS

SYSTEM

RESOURCES

SECURITY

WEB INTERFACE CONFIGURATION

NETWORK

RS-232

TCP to RS232 Tunneling

On Off

Baud Rate

9600

GPI

	GPI1	GPI2	Vout
function	Laptop Select	USB host control	Controlled by firmware
mode	Pulse	Pulse	

UPDATE

RS232

- Baud rate
 - o The baud rate of the RS232 port can be set here.

GPI

- GPI functions are set here.
- The VOUT pin can also be configured.

Maestro
Device controller

DETECTED DEVICES

TOGGLE DOCK 2x1

TOGGLE-DOCK-005001

Connection: USB

Firmware version: 1.0

TOGGLE-DOCK-005001

GENERAL

Firmware version: 1.0

MAC address: 38:76:05:00:50:01

IP address: 192.168.0.197

Serial number: TDX4070025

USB HOST: Laptop USB-B

Selected USB host: Laptop USB-B

INPUTS

USB-C DisplayPort: No video

Laptop HDMI: No video

OUTPUTS

Display: No video

REBOOT DEVICE

SELECT

STATUS

SETTINGS

SYSTEM

RESOURCES

SECURITY ^

WEB INTERFACE CONFIGURATION ^

NETWORK ^

RS-232 ^

GPI ^

UPDATE v

Manual firmware update

Choose the firmware package

Firmware version name: <FIRMWARE VERSION NAME>

Factory default

Maestro version - v2.1.0

Please check [INOGENI's website](#) for latest version.

UPDATE

- You can force a specific firmware package (ZIP file) after clicking on the Browse button. Click on “Upload” button to proceed to the update.
- If you need to do a factory reset of the product, you can click on the “Reset” button.

Maestro
Device controller

DETECTED DEVICES

TOGGLE DOCK 2x1
Connection
Firmware version

TOGGLE-DOCK-005001
USB
1.0

Maestro version - v2.1.0

Please check [INOGENI's website](#) for latest version.

TOGGLE-DOCK-005001

GENERAL

Firmware version 1.0
MAC address 38:76:05:00:50:01
IP address 192.168.0.197
Serial number TDX4070025
USB HOST
Selected USB host Laptop USB-B

INPUTS

USB-C DisplayPort No video
Laptop HDMI No video

OUTPUTS

Display No video

REBOOT DEVICE

SELECT

STATUS

SETTINGS

SYSTEM

RESOURCES

GUIDES

TOGGLE DOCK - User Guide

TOGGLE DOCK - Data Sheet

TOGGLE DOCK - Brochure

DEVICE CERTIFICATIONS

FCC-CE-RoHS-IEC62368 - Declaration of Conformity

SoV - Declaration of Volatility

TAA - Declaration of TAA Compliance

POWER SUPPLY CERTIFICATIONS - 160W

FCC - Verification of Compliance

CE - Declaration of Conformity

CE - Verification of Compliance

CB - Test Certificate

UL - Certificate

TUV - Certificate

KC - Certificate

RCM - Certificate

Test Report

In this section, you will have access to the latest documentation.

- User guide
- Datasheet
- Brochure
- Device certifications
- Power supply certifications

WEB INTERFACE ACCESS

A web interface is available for the device. This one is accessible through your network.



Since the device supports the mDNS networking protocol, you can access the web interface of the device using a networking URL. This URL looks like the following example and includes the last 3 bytes of the MAC address and will end with the **.local** suffix:

38:76:05:00:80:00
toggle-dock-008000.local

You can access the device using any browser and enter the URL with the **.local** suffix or the IP address of the unit if you have this information. You will be prompted with a login dialog. At first connection, the device will ask you to configure a new password.

The image shows two browser windows. The left window displays the login page for 'TOGGLE DOCK 2x1' with a 'Login' form containing a password field and a 'Submit' button. The right window shows the main dashboard for 'TOGGLE-DOCK-JEROME' at the URL 'https://192.168.2.120'. The dashboard includes a device image, a 'GENERAL' tab with fields for Firmware version (1.1), MAC address (38:76:05:01:10:01), IP address (192.168.2.120), and Serial number (TDZ5260051). It also shows 'INPUTS' (USB-C DisplayPort, Laptop HDMI) and 'OUTPUTS' (Display). A 'REBOOT DEVICE' button and a 'SELECT' button are visible. The bottom section shows 'Laptop USB-C' and 'Laptop HDMI' video output settings.

When you enter the web interface, you will get access to the general information of the device. This information is always available when you navigate through the tabs.

This is a detailed view of the main dashboard. It features a 'GENERAL' tab with the following information: Firmware version 1.1, MAC address 38:76:05:01:10:01, IP address 192.168.2.120, and Serial number TDZ5260051. The 'INPUTS' section lists USB-C DisplayPort (1920x1080p59.94Hz) and Laptop HDMI (No video). The 'OUTPUTS' section shows Display (1920x1080p59.94Hz). A 'REBOOT DEVICE' button and a 'SELECT' button are present. The bottom section shows 'Laptop USB-C' and 'Laptop HDMI' video output settings.

- General section with firmware version, MAC address, IP address and serial number of the unit.
- USB host selected
- Status of video inputs and outputs
- Buttons to reboot the unit, initiate a “select” trigger and the logout action.

STATUS TAB

This section contains all the firmware information, video sources detections/resolutions along with the actual configuration of the unit.

STATUS	SETTINGS	SYSTEM	RESOURCES
GENERAL		DEVICE CONFIGURATION	
Firmware version	1.1	Operation Mode	Automatic
Hardware Revision	1.0	Host system priority	Last detected source
MAC address	38:76:05:01:10:01	Selected DISPLAY source	Laptop USB-C
IP Mode	DHCP	Selected USB host	Laptop USB-C
IP address	192.168.2.120	USB-C 4K60 support	OFF
Subnet Mask	255.255.255.0		
Gateway	192.168.2.1		
Video inputs		Video outputs	
Laptop USB-C		Display	
Resolution	1920x1080p59.94Hz	Selected source	Laptop USB-C
HDCP	OFF	Source scaler	OFF
EDID mode	1080p60 EDID		
Laptop HDMI			
Resolution	No video		
HDCP	OFF		
EDID mode	1080p60 EDID		

SETTINGS TAB

STATUS	SETTINGS	SYSTEM	RESOURCES
OPERATION MODE			
Operation Mode Automatic Custom Host system priority Last detected source ^			

OPERATION MODE

- Change the operation mode of the unit.
 - o Auto
 - In this mode, switching between laptops is automatic upon host detection.
 - o Custom mode
 - In this mode, USB, HDMI display and HDMI share switching modes can be independently controlled.

USB

USB

Selected USB host
Laptop USB-C ^

USB-C 4K60 support
On **Off**

USB devices power control

	USB #1		USB #2		USB #3	
Laptop USB-C	On	Off	On	Off	On	Off
Laptop USB-B	On	Off	On	Off	On	Off
No host	On	Off	On	Off	On	Off

- USB configuration
 - o User can select the USB host.
 - o USB-C 4K60 support.
 - You can turn ON/OFF 4K60 support over USB-C. If you enable 4K60 support, there will be no USB3.0 support over USB-C. Only USB2.0 will remain.
 - o USB devices power control
 - This control allows you to turn ON/OFF USB power on each port depending on the host selected.

VIDEO

VIDEO

Video inputs

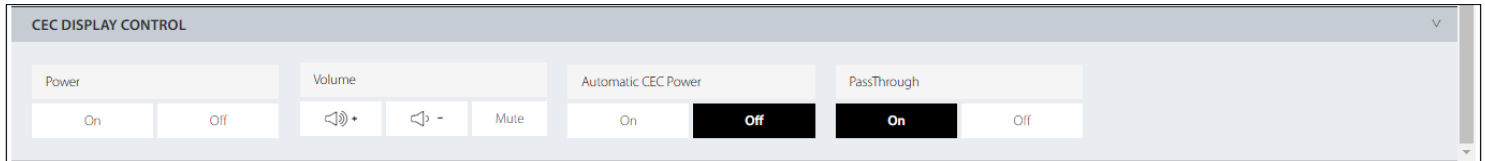
	Laptop USB-C	Laptop HDMI
HDCP	OFF ^	OFF ^
EDID mode	1080p60 ^	1080p60 ^

Video outputs

Selected source	Display Laptop USB-C ^
HDMI scaler	Display scaler On Off
Save EDID from source	Read Display Edid

- Video inputs
 - o HDCP
 - Can be turned ON/OFF and appropriate HDCP version can be set.
 - o EDID mode
 - Can report EDID information based on actual display, using preset EDIDs or using a user EDID that can be uploaded to the device.
- Video outputs
 - o User can select video source to be shown on specified output.

CEC DISPLAY CONTROL

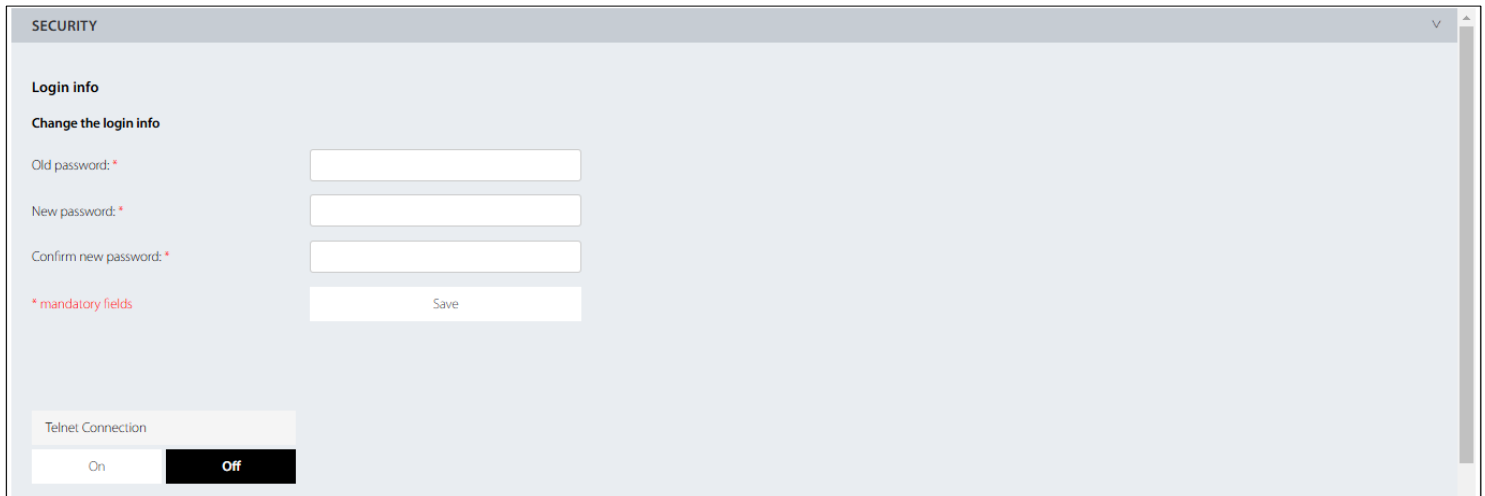


- Power
 - o Can turn ON/OFF connected display.
- Volume
 - o Can send volume UP/DOWN commands.
 - o Can send toggle mute command.
- Automatic CEC power
 - o Device can automatically send power ON/OFF commands to display when selected video sources is detected or not.

SYSTEM TAB

STATUS	SETTINGS	SYSTEM	RESOURCES
SECURITY			^
WEB INTERFACE CONFIGURATION			^
NETWORK			^
RS-232			^
GPI			^
UPDATE			^

SECURITY



- Login info
 - o Ability to change the current password of the device.
- Telnet connection
 - o Allows the device to be connected to a telnet client.

WEB INTERFACE CONFIGURATION

WEB INTERFACE CONFIGURATION

HTTP Server: **On** Off

Authentication: Use Token **No Token**

API access token

Get access token Generate access token Delete access token

Upload TLS certificate

Choose certificate Browse

Choose private key Browse

Upload

- Ability to turn on or off the HTTP server.
- Allows the authentication token.
- API access token can be accessed, generated or deleted using those buttons.
- Upload an existing TLS certificate and private key to the device.

NETWORK

NETWORK

IP Mode

DHCP Static

IP address: 192.168.0.183

Subnet mask: 255.255.255.0

Gateway: 192.168.0.1

- IP mode
 - o Device can be configured using DHCP or static IP address.
 - o If static IP addressing is selected, you can set IP address, subnet mask and gateway.

RS232

RS-232

Baud Rate: 9600 ^

- Baud rate
 - o The baud rate of the RS232 port can be set here.

GPI

GPI		
	GPI1	GPI2
function	None ^	None ^
mode	Pulse ^	Pulse ^
		Vout
		Controlled by firmware ^

- GPI functions are set here.
- The VOUT pin can also be configured.

UPDATE

UPDATE	
Manual firmware update	
Choose the firmware package	Browse
Firmware version name	<FIRMWARE VERSION NAME>
Upload	
Factory default	
Reset	

- You can force a specific firmware package (ZIP file) after clicking on the Browse button. Click on “Upload” button to proceed to the update.
- If you need to do a factory reset of the product, you can click on the “Reset” button.

STATUS	SETTINGS	SYSTEM	RESOURCES
GUIDES TOGGLE DOCK - User Guide TOGGLE DOCK - Data Sheet TOGGLE DOCK - Brochure	DEVICE CERTIFICATIONS FCC-CE-RoHS-IEC62368 - Declaration of Conformity SoV - Declaration of Volatility TAA - Declaration of TAA Compliance	POWER SUPPLY CERTIFICATIONS - 160W FCC - Verification of Compliance CE - Declaration of Conformity CE - Verification of Compliance CB - Test Certificate UL - Certificate TUV - Certificate KC - Certificate RCM - Certificate Test Report	

In this section, you will have access to the latest documentation.

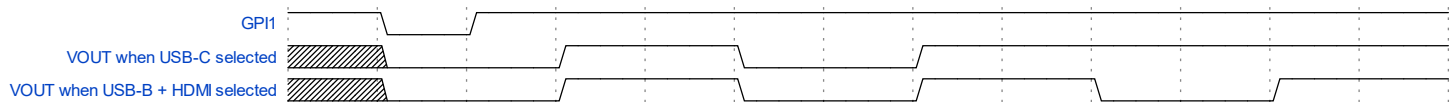
- User guide
- Datasheet
- Brochure
- Device certifications
- Power supply certifications

INOGENI INO – BUTTON KIT

You can use our INOGENI INO – BUTTON KIT to trigger the BYOM mode of the TOGGLE DOCK 2x1.

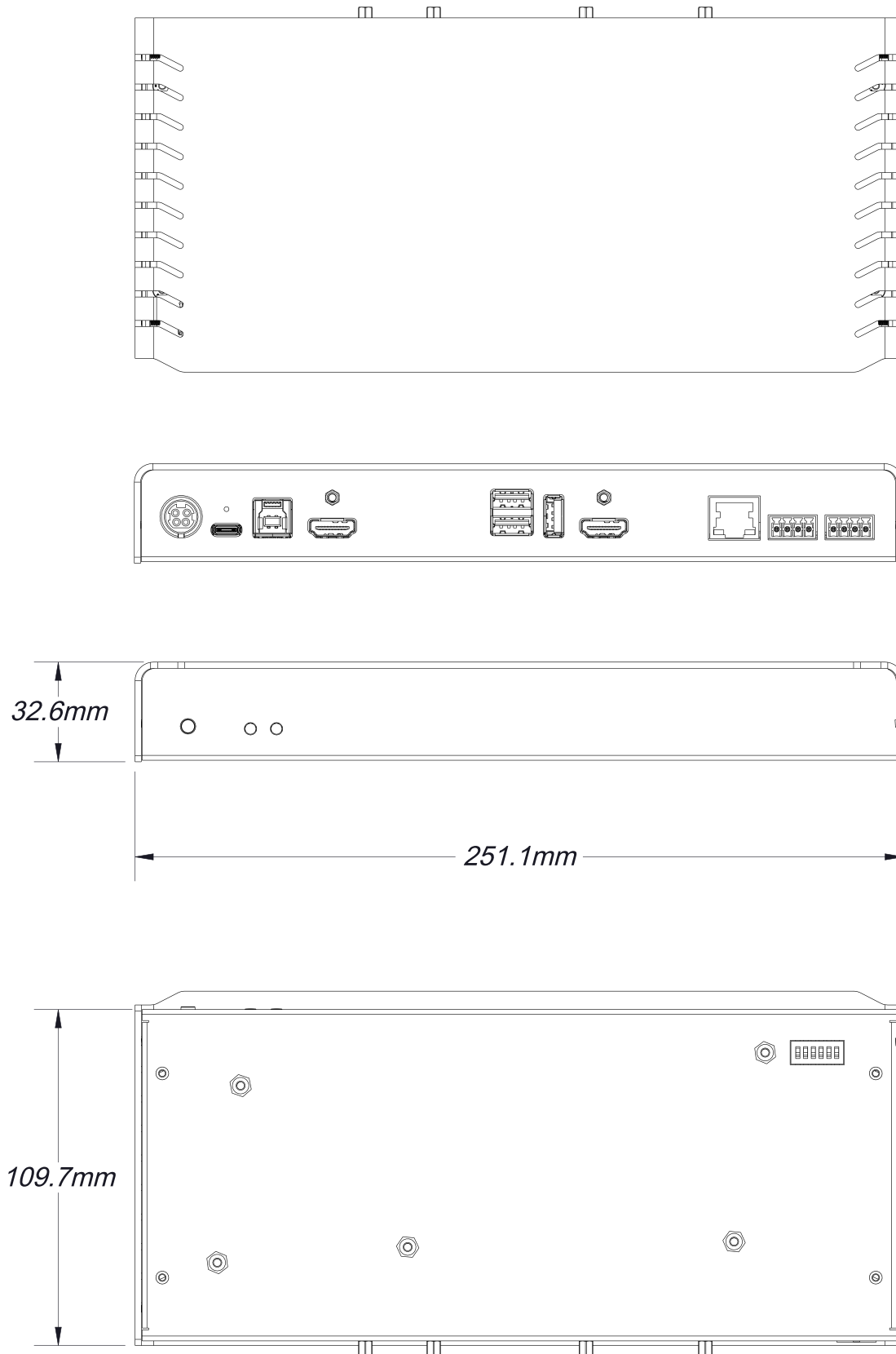


Here is also the timing diagram of the GPI and VOUT interfaces. When the GPI1 interface is shorted to GND, the VOUT signal will act like this depending on the laptop selected. Each cycle is 250ms.



MECHANICAL SPECIFICATION

You can find the mechanical specification of the device. All dimensions are in **mm [in]**.



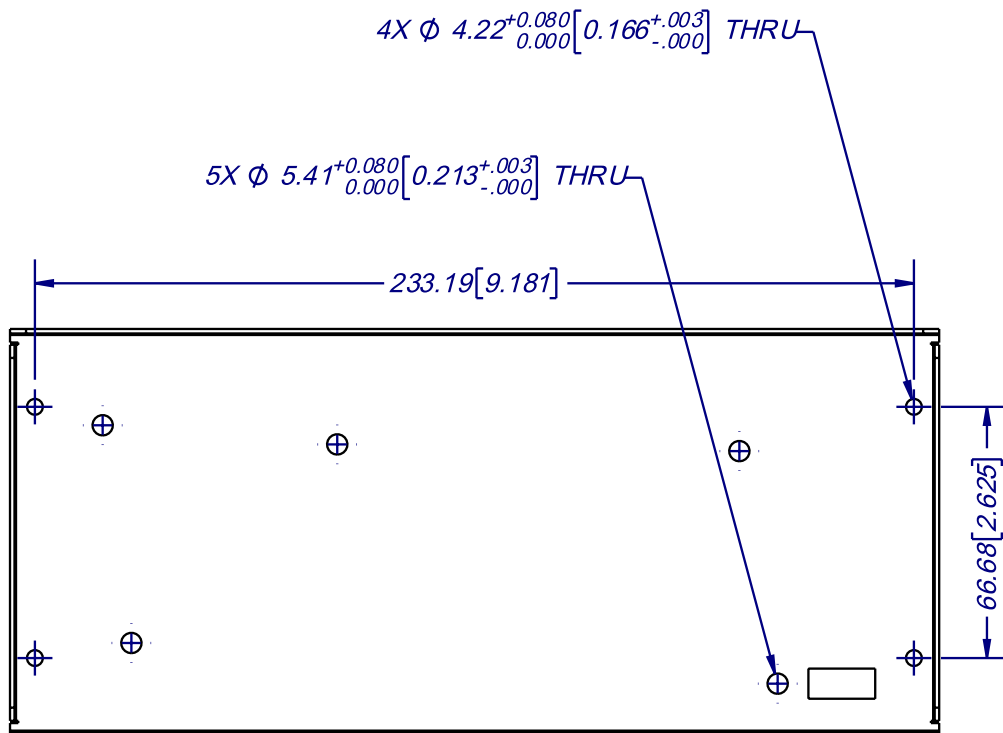
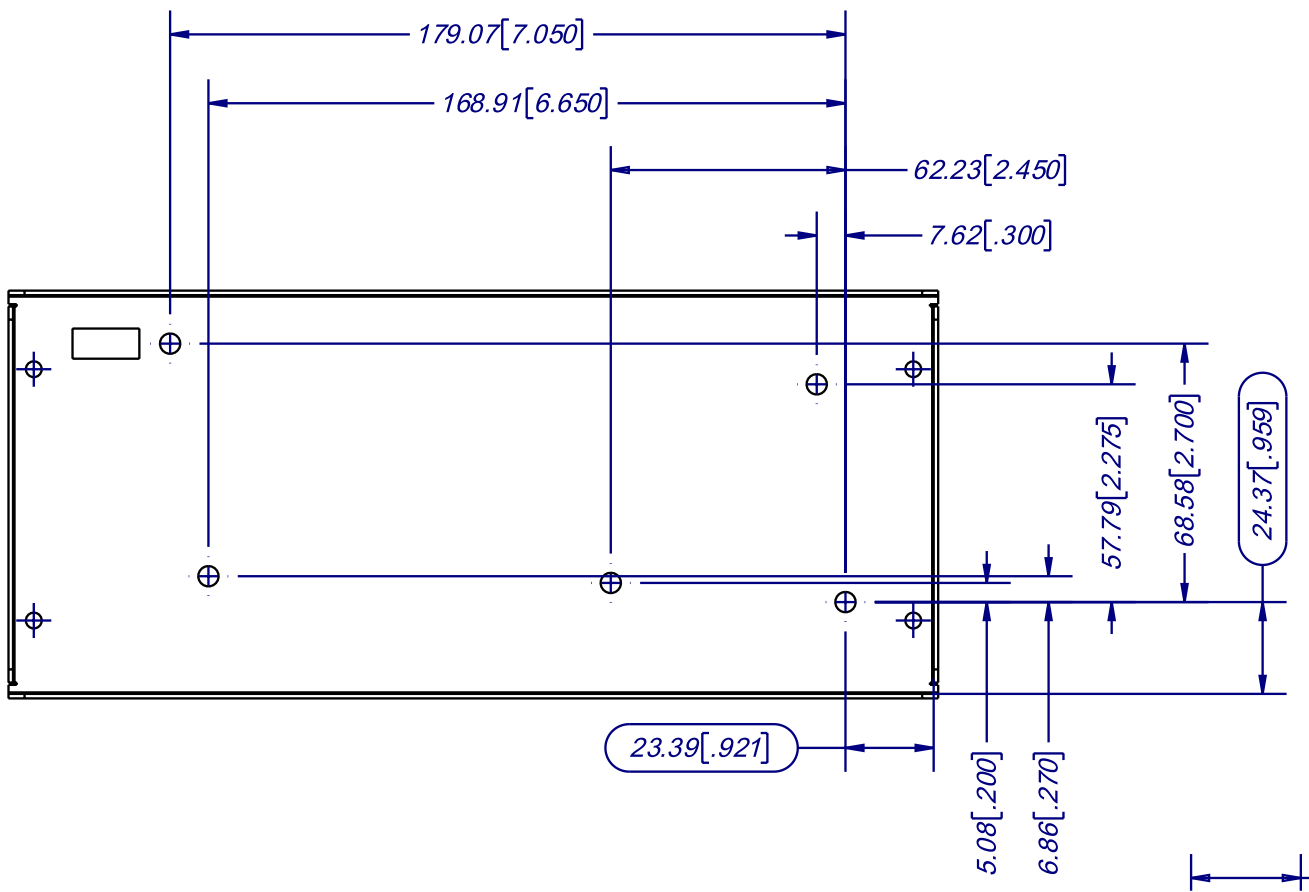


Figure 4: Bottom plate dimensions and holes positions

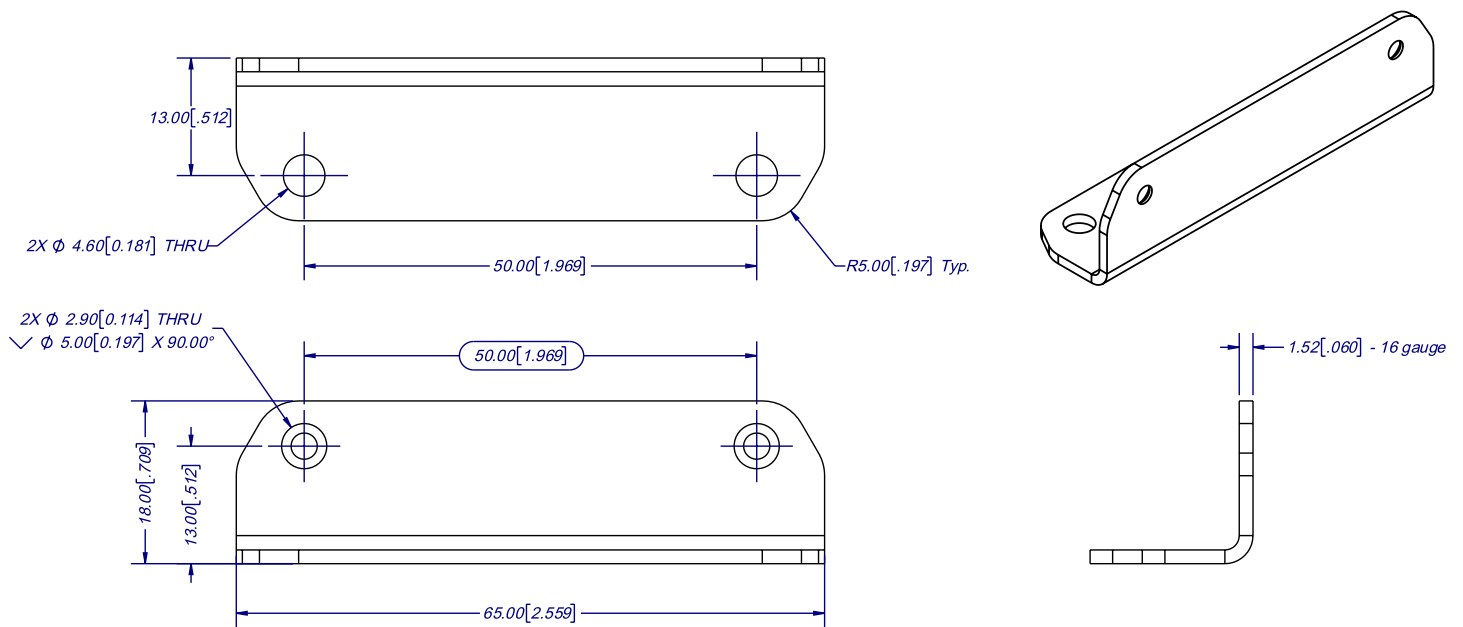


Figure 5: Bracket dimensions

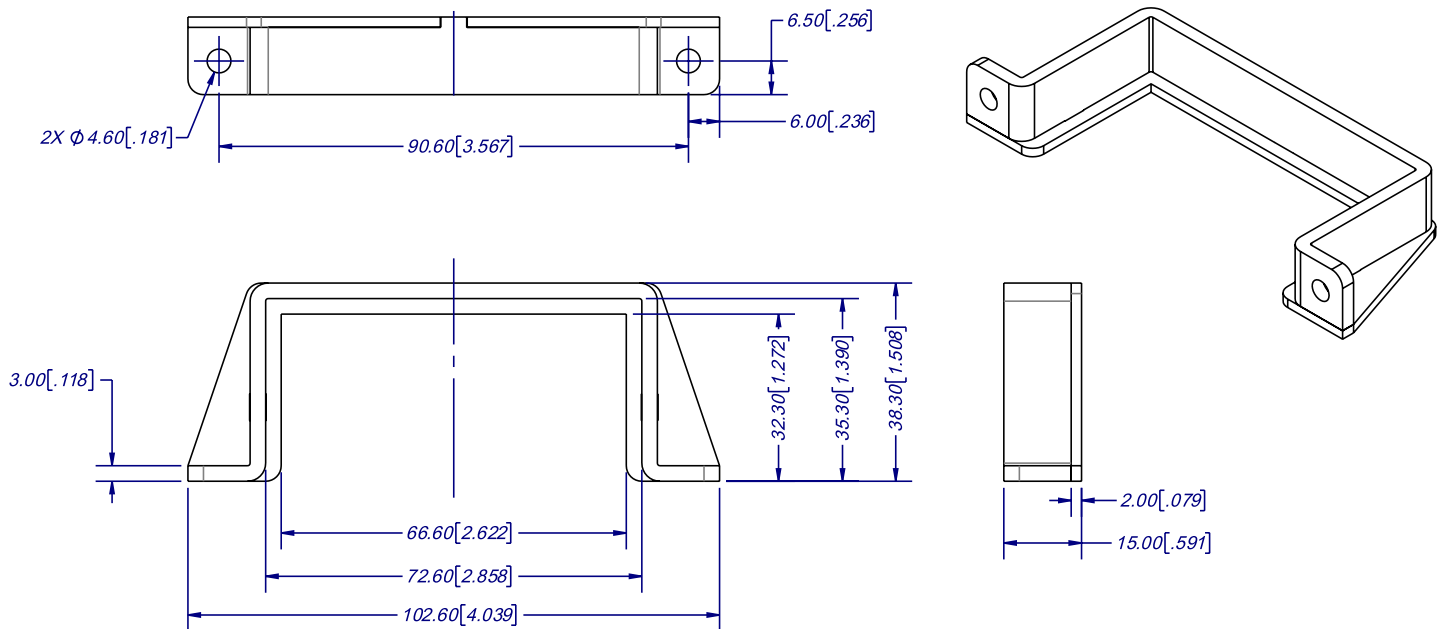


Figure 6: Power supply bracket dimensions

DIP SWITCHES

Here you can find the behavior of the DIP switches located at the back of the unit.

Switch	Position	Description
SW1	OFF	For future use.
	ON	
SW2	OFF	For future use.
	ON	
SW3	OFF	For future use.
	ON	
SW4	OFF	For future use.
	ON	
SW5	OFF	Reserved.
	ON	
SW6	OFF	Disable 5V on terminal block
	ON	Enable 5V on terminal block. This switch must be set to power up the connected remote.

TROUBLESHOOTING SECTION

Here is the troubleshooting section for the device.

Problem	Resolution
My laptop is not charging using my USB-C cable.	Check if the cable is rated to support USB-C power delivery. Also check if the cable used is among the ones that we already support. Visit https://inogeni.com/product/toggle-dock-2x1 for the complete list. Make also sure that your BIOS and your system chipset drivers are up to date.
My device is switching HDMI video slowly.	If your EDID mode is set to “passthrough”, the device is handshaking the EDID from the connected display to the source. This will take some time. To minimize video switching time, it is recommended to configure the EDID mode of the video sources to a preset EDID (e.g. 1080p60).
The Maestro software is not able to detect my device.	If you are connected to Toggle Dock 2x1 through the laptop connections (USB-C or USB-B/HDMI), please make sure the laptop is selected by using the front “SELECT” button. When laptop is selected, this button will light up. The Maestro software will connect to the device through USB, this is why the device is not detected if the host is not properly selected.

Engineered by video professionals, for video professionals, it is your most compatible USB 3.0 device. INOGENI expertise at your fingertips:

- **Expert Technical Support team** at support@inogeni.com for immediate help or if you have any technical question about our products.
- Extensive **Knowledge Base** to learn from other customers' experiences.

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CERTIFICATIONS



FCC Radio Frequency Interference Statement Warning

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received including interference that may cause undesired operation.

IC Statement

This Class A digital apparatus complies with Canadian CAN ICES-3(A)/NMB-3(A).



CE Statement

We, INOGENI Inc., declare under our sole responsibility that Toggle Dock 2x1, to which this declaration relates, is in conformity with European Standards EN 55032, EN 55035, and RoHS Directive 2011/65/EU + 2015/863/EU.



UKCA Statement

This device is compliant with the Electromagnetic Compatibility Regulations 2016 No. 1091 as part of the requirements leading to the UKCA marking.



WEEE Statement

The European Union has established regulations for the collection and recycling of all waste electrical and electronic equipment (WEEE). Implementation of WEEE regulations may vary slightly by individual EU member states. Please check with your local and state government guidelines for safe disposal and recycling or contact your national WEEE recycling agency for more information.



RCM Statement

This device is compliant with Regulator Compliance Mark (RCM) certification.



NOM Statement

This device is compliant with the NOM-019 standard.