Outdoor TVs

COMPATIBLE SKUS:

SHD2-43	SHD2-65	UB4-50	UB4-85
SHD2-55	SHD2-75	UB4-65	

Communication Parameters

IP Version	IPV4
Transport Layer	TCP over HTTP
Port	3000

Getting connected

1. Insert an ethernet cable into the LAN port on the television and connect the other end to your home network.
2. Navigate the on-screen menu on the television to the Ethernet menu, located at Menu->Network->Ethernet
3. Change Type to Static if you plan to assign an IP address to the unit, otherwise DHCP is enabled by default. For static IP installations Enter the information in the required fields.
4. Press 'Enter' to connect to the network.
5. IP address will be displayed in the Network Menu. **FOR STATIC IP ADDRESSES: The display should be power cycled after the new IP Address information is entered in order to ensure proper control system operation.**

Example Command

Example:
TV IP address is 192.168.1.120
Send power on command "PWD:1"

HTTP Request:
POST / HTTP/1.1
Host: 192.168.1.120 ← Host will be the IP address of the TV.
Content-Type: application/json
Accept: application/json, text/plain
Body:
{
"command": "PWD:1",
"id": 1   ← Optional ID to track multiple commands and responses
}

HTTP Response:
HTTP/1.1 200 OK
Content-Type: application/json
Body:
{
"id": 1, ←Return ID from a request ONLY if id was provided in the POST request
"result": "SUCCESS", ←Based on command: SUCCESS, INVALID VALUE, INVALID JSON, UPDATE
"state":
{
"power": 1, ←TV on = 1, TV off = 0
"input": 3, ←Current input (# = input, table still needs to be made)
"channel": "24.2", ←Current Tuner TV channel. Primary.Secondary for digital channel
"volume": 35, ←Current volume 0-100
"mute":0 ←Mute on = 1, Mute off = 0
},
"info":
{
"model": "SHD2-55A", ←Model information to be set during production
"serial": "SHD2-55A-S-19501234", ←Serial information to be set during production
"firmware": "1.13", ←Read from firmware
"runtime": 35.4 ←Runtime (in hours)
}
}

POWER

	COMMAND
POWER ON	**PWD:1**
POWER OFF	**PWD:0**
POWER TOGGLE	**PWD:3**
POWER STATUS QUERY	**PWD:?**

INPUTS

	COMMAND
INPUT QUERY	**INP:?**
TV	**INP:0**
HDMI 1	**INP:1**
HDMI 2	**INP:2**
HDMI 3	**INP:3**
COMPONENT	**INP:4**
AV	**INP:5**
USB MEDIA	**INP:7**
QUERY	**INP:?**

CHANNEL

	COMMAND
INCREASE CHANNEL	**CHA:+**
DECREASE CHANNEL	**CHA:-**
SET CHANNEL	**CHA:XX.Y***
CHANNEL STATUS QUERY	**CHA:?**

*X and Y are numbers 0-9

VOLUME

	COMMAND
VOLUME UP	**VOL:+**
VOLUME DOWN	**VOL:-**
SET VOLUME	**VOL:XX***
VOLUME STATUS QUERY	**VOL:?**
MUTE ON	**MUT:1**
MUTE OFF	**MUT:0**
MUTE TOGGLE	**MUT:3**
MUTE STATUS QUERY	**MUT:?**

*X and Y are numbers 0-9