

SHARP

PN-LA862

PN-LA752

PN-LA652

INTERACTIVE DISPLAY

OPERATION MANUAL for Rest API

PN-LA862-LA752-LA652 OM4 EN(1)

Use REST API

You can control this monitor from a computer via network.

TIPS

- This monitor must be connected to a network.
- Set "LAN Port" to ON in "ADMIN" > "COMMUNICATION SETTING" on the Setting menu and configure network settings in "LAN SETUP".
- Set "COMMAND (LAN)" to ON in "ADMIN" > "CONTROL FUNCTION" on the Setting menu.
- The settings for the Rest API are set in "NETWORK - COMMAND" on the web page.

Rest API

For details on how to control using the Rest API, please refer to the documents below.

<https://github.com/SharpNECDisplaySolutions/IMHRestAPI>

Setting

- (1) Set "ADMIN" > "CONTROL FUNCTION" > "HTTP SERVER" to ON.
- (2) Press the INFORMATION button and check the IP address of the monitor in Product Information 2.
- (3) Input the address in the Web browser, then login page is displayed.
- (4) Login as Administrator. USER NAME: admin / PASSWORD: {default: Value registered when the power was turned on for the first time}
- (5) Select "NETWORK-COMMAND" in the side
- (6) menu.
- (7) Set "REST API" to ENABLE
- (8) Push  button to copy authentication key to clipboard in the "AUTH KEY".

TIPS

- "AUTH KEY" is automatically generated.
- If you want to change the "AUTH KEY", press the "GENERATE" button. The AUTH KEY changes each time you press the button.

API supported by this monitor

Version: 1.0

Path	GET	PUT
/api/list	YES	
/api/1.0/list	YES	
/api/1.0/power	YES	YES
/api/1.0/inputs	YES	YES
/api/1.0/inputs/list	YES	
/api/1.0/avmute	YES	YES
/api/1.0/product_name	YES	
/api/1.0/usage	NO	
/api/1.0/error_status	YES	
/api/1.0/error_status/list	YES	
/api/1.0/warning_status	NO	
/api/1.0/warning_status/list	NO	
/api/1.0/volume	YES	YES
/api/1.0/brightness	YES	YES
/api/1.0/contrast	YES	YES
/api/1.0/color	YES	YES
/api/1.0/sharpness	YES	YES
/api/1.0/backlight	YES	YES
/api/1.0/freeze	YES	YES

Authentication

Authentication is required to access this API.

Use AUTH KEY for authentication.

Set the AUTH KEY in the HTTP X-API-KEY header when accessing with GET/PUT.

[Example when accessing using cURL]

```
curl -X GET -H "Accept: application/json" -H "X-API-KEY:(AUTH KEY)" "http://(IP Address)/api/1.0/avmute"
```

If authentication fails, the following JSON content will be sent as a response.

```
{
  "error": -400
}
```

Use REST API

API and features

Path	features
/api/1.0/brightness	PICTURE - BLACK LEVEL
/api/1.0/contrast	PICTURE - CONTRAST
/api/1.0/color	PICTURE - COLORS
/api/1.0/sharpness	PICTURE - SHARPNESS
/api/1.0/backlight	PICTURE - BRIGHT

Settable range

Path	Min	Max	Step
/api/1.0/volume	0	31	1
/api/1.0/brightness	0	60	1
/api/1.0/contrast	0	60	1
/api/1.0/color	0	60	1
/api/1.0/sharpness	0	24	1
/api/1.0/backlight	0	31	1

Path: "/api/1.0/avmute"

parameter	mean	support
0	Video and Audio mute OFF	YES
1	Video mute on,	NO
2	Audio mute on,	YES
3	Video and audio mute on	NO