Integrating Kincony KC868-A16 in Loxone Config.

KC868 Configuration | ## Loxone Configuration

Digital Inputs (Dry contacts) 1 —> 8
Digital Inputs (Dry contacts) 9 —> 16
RS485 A B
Analog Input 1 —>4
GPIO's 1 —>3
3.3V
GND GND GND GND

Ethernet

ESP32

RF Transmitter 433 MHz / 315 MHz
RF Receiver 433 MHz / 315 MHz
I²C

KC868-A16 REV.1.4 Designed By KINCONY

LED 16 <— LED 1 Outputs

16 < Outputs 9
8 < Outputs 1

Reset Download

USB Type C

GND 12V

12V / 24V DC Input
12V / 24V DC Input

12V DC Power Input
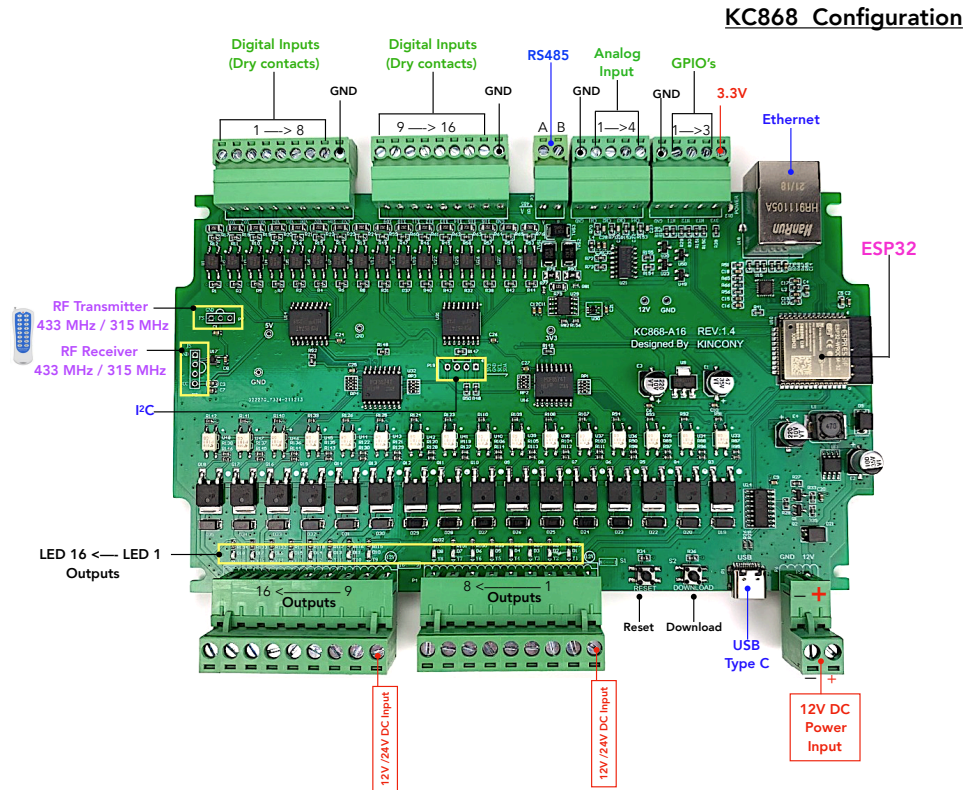
Step 1 : Download and Install Tasmota firmware which is customized for A16 from the below link

https://www.kincony.com/forum/showthread.php?tid=1715&pid=3084#pid3084

1. Download tasmota download tool for KC868-A16
   ESP-Flasher-Windows-x64.zip (Size: 16.07 MB / Downloads: 21)
2. Download tasmota BIN file firmware for KC868-A16
   firmware-en-a16.zip (Size: 762.33 KB / Downloads: 27)
3. Connect the A16 to your network (WiFi or Ethernet)
4. Do the PCF8574 GPIO config for 16 channal output and 16 channel input
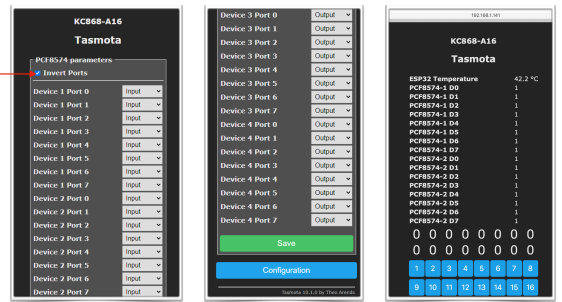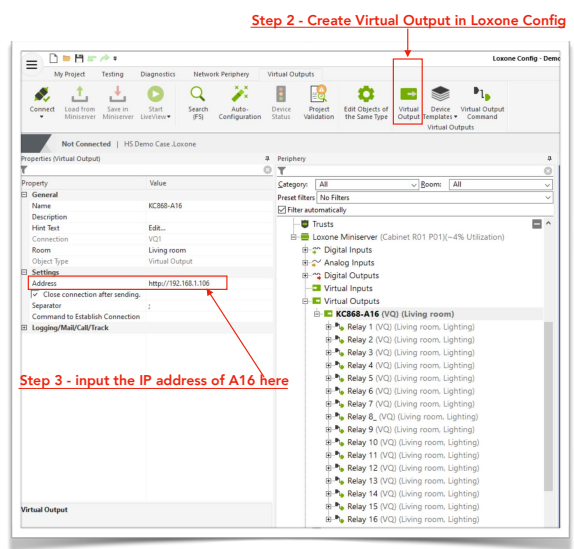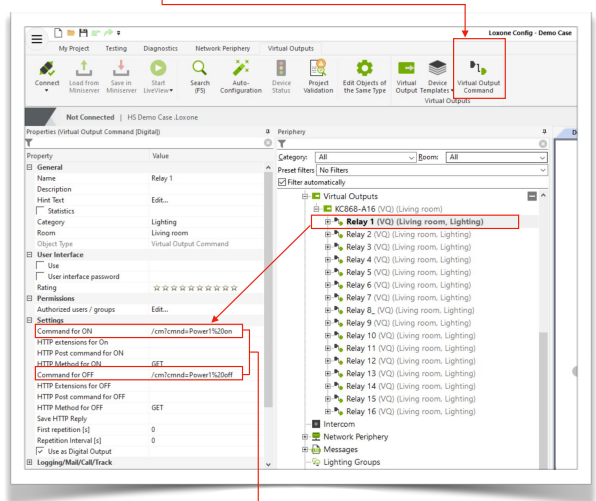
Step 2 - Create Virtual Output in Loxone Config

Step 3 - input the IP address of A16 here

Step 4 - Create Virtual Output command. You will have to create 16 virtual output commands

Step 5 - Input the commands for ON and OFF. NOTE : For each relay you have to specify relay number.

You can also import the KC868-A16 XLM Template and the above steps will not be required. After importing the template, change the IP address of your controller

NOTE : Mention the relay number after Power

OUTPUT	HTTP COMMAND FOR ON	HTTP COMMAND FOR OFF
OUTPUT 1	/cm?cmnd=Power1%20on	/cm?cmnd=Power1%20off
OUTPUT 2	/cm?cmnd=Power2%20on	/cm?cmnd=Power2%20off
OUTPUT 3	/cm?cmnd=Power3%20on	/cm?cmnd=Power3%20off
OUTPUT 4	/cm?cmnd=Power4%20on	/cm?cmnd=Power4%20off
OUTPUT 5	/cm?cmnd=Power5%20on	/cm?cmnd=Power5%20off
OUTPUT 6	/cm?cmnd=Power6%20on	/cm?cmnd=Power6%20off
OUTPUT 7	/cm?cmnd=Power7%20on	/cm?cmnd=Power7%20off
OUTPUT 8	/cm?cmnd=Power8%20on	/cm?cmnd=Power8%20off
OUTPUT 9	/cm?cmnd=Power9%20on	/cm?cmnd=Power9%20off
OUTPUT 10	/cm?cmnd=Power10%20on	/cm?cmnd=Power10%20off
OUTPUT 11	/cm?cmnd=Power11%20on	/cm?cmnd=Power11%20off
OUTPUT 12	/cm?cmnd=Power12%20on	/cm?cmnd=Power12%20off
OUTPUT 13	/cm?cmnd=Power13%20on	/cm?cmnd=Power13%20off
OUTPUT 14	/cm?cmnd=Power14%20on	/cm?cmnd=Power14%20off
OUTPUT 15	/cm?cmnd=Power15%20on	/cm?cmnd=Power15%20off
OUTPUT 16	/cm?cmnd=Power16%20on	/cm?cmnd=Power16%20off

https://tasmota.github.io/docs/Commands/

with Web Requests

Commands can be executed via web (HTTP) requests, for example:

```
http://<ip>/cm?cmnd=Power%20TOGGLE
http://<ip>/cm?cmnd=Power%20On
http://<ip>/cm?cmnd=Power%20off
http://<ip>/cm?user=admin&password=joker&cmnd=Power%20Toggle
```

⚠ Any spaces or special characters must be replaced with their ASCII hex codes.

You must precede each hex code with %. Most used codes are: space = %20 and ; = %3B.

🔥 Tip

Use URLencoder.org to easily convert your commands.

If you have set a password for web user interface access, this must be included (in plaintext) in the URL of the HTTP request, like so:

```
http://<ip>/cm?user=<username>&password=<password>&cmnd=Power%20On
```