

LUMIA BASED STRAM CONTROLLER SETUP GUIDE

INTRODUCTION

PARTS REQUIRED:

ESP8266
PICO PI
36 OF 1N4148 SIGNAL DIODES
36 OF MECHANICL KEYS
1.8" RGB LCD TFT ST7735

FILES REQUIRED:

ESP8266:
LUMI_CON_ESP_INETRAGED_0_0_1
PICO PI:
6X6_TEST_PICO

LUMIA (PICK ONE):

FOR JUST CHAT;
ESP8266-TFT-CHAT-BRIDGE

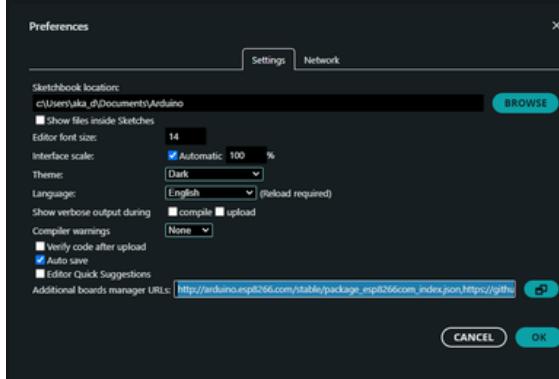
FOR JUST 6X6;
6X6 ISOLATED

FOR BOTH;
LUMI_CON_ESP_INETRAGED_0_0_1

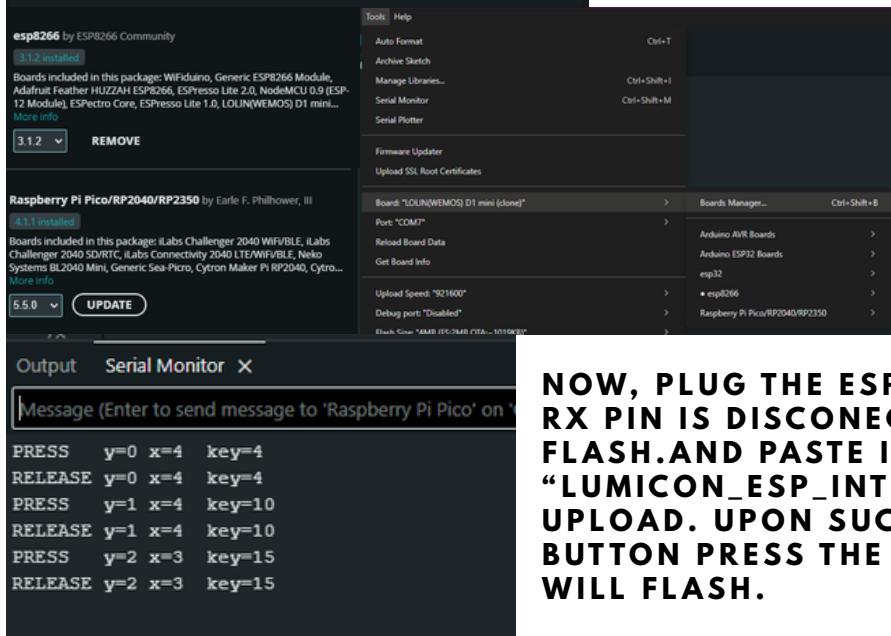


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FIRMWARE



**FLASHING FIRMWARE:
HEAD OVER TO [HTTPS://
WWW.ARDUINO.CC/](https://www.arduino.cc/) AND DOWNLOAD THE
IDE. ONCE DOWNLOADED OPEN THE
SOFTWARE AND HEAD TO PREFERENCES AND
ADD THE URL CONTAINED IN THE “BOARD
MANAGER URL” TXT. THEN PROCEED TO
TOOLS-->BOARDS-->BOARD MANAGER.
INSTALL THE BOARDS PICTURED (PICO PI
AND ESP8266).**



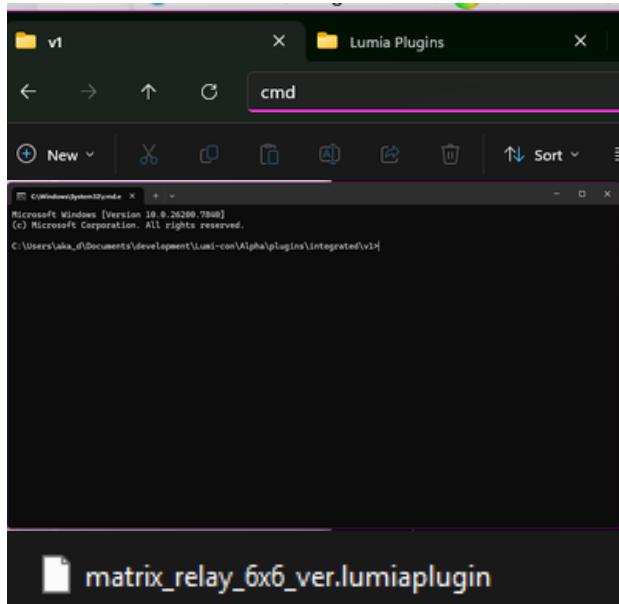
**PLUG THE PICO INTO THE
PC VIA USB CABLE, PASTE
THE FIRMWARE LABELLED
6X6_TEST_PICO INTO
ARDUINO AND CLICK
UPLOAD, UPON PRESSING
KEYS A CONFIRMATION
SHOULD BE SENT BACK VIA
THE SERIAL MONITOR.**

**NOW, PLUG THE ESP INTO THE USB, ENSURE THE
RX PIN IS DISCONECTED FROM THE PICO DURING
FLASH. AND PASTE IN THE
“LUMICON_ESP_INTEGRATED” INTO THE IDE. HIT
UPLOAD. UPON SUCCESFULL RECEIPT OF A
BUTTON PRESS THE ESP’S INTEGEGRATED LED
WILL FLASH.**

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PLUGIN

SETUP: FIRST STEP IS TO CREATE A NEW FOLDER. NAME IT SOMETHING RECOGNISABLE. DETERMINE WHICH VERSION OF THE PLUGIN YOU WISH TO USE AND PASTE THE FILES INTO YOUR FOLDER



IN THE ADDRESS BAR AT THE TOP FO YOUR FILE EXPLORER TYPE CMD AND A COMMAND PROMPT SHOULD APEAR. TYPE THE FOLLOWING LINES IN TO THE COMMAND PROMPT:

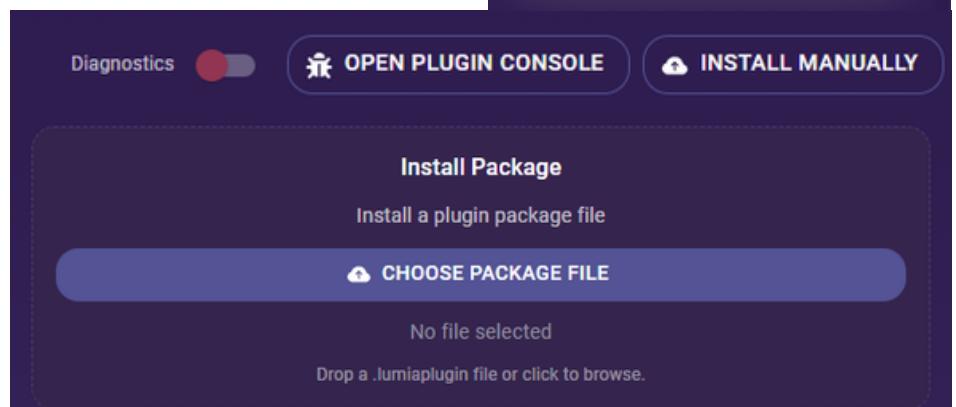
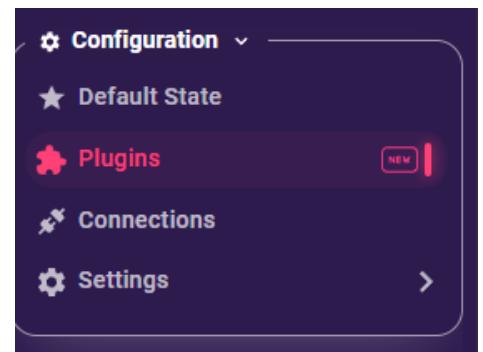
NPM INSTALL

NPX LUMIA-PLUGIN VALIDATE .

NPX LUMIA-PLUGIN BUILD . --OUT .\MY_LUMIA_PLUGIN.LUMIAPLUGIN

BE SURE TO CHANGE "MY_LUMIA_PLUGIN" TO YOUR DESIRED NAME IT SHOULD THEN CREATE A .LUMIAPLUGIN FILE

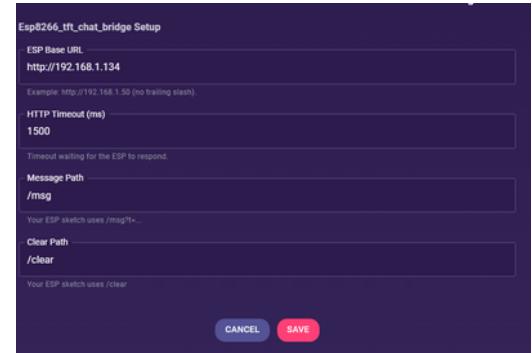
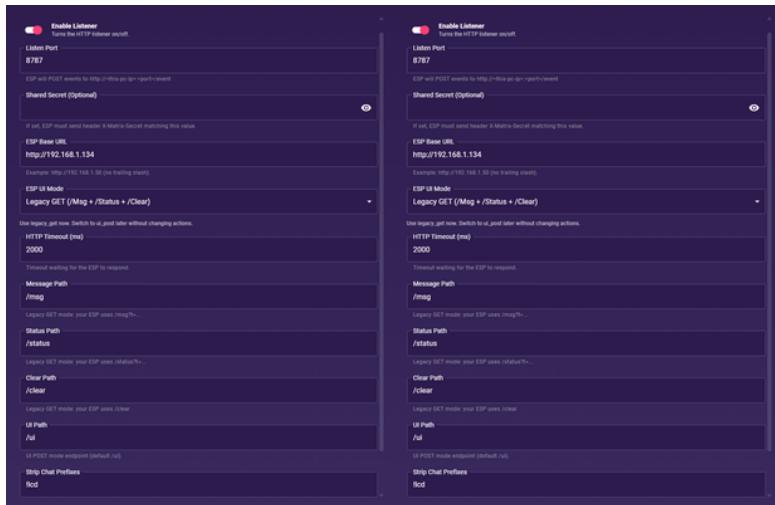
INSIDE LUMIA HEAD TO CONFIGURATION → PLUGINS AND SLEECT "INSTALLED" CHOOSE MANUAL INSTALL AND THEN DRAGIN THE NEWLY CREATED .LUMIAPLUGIN FILE



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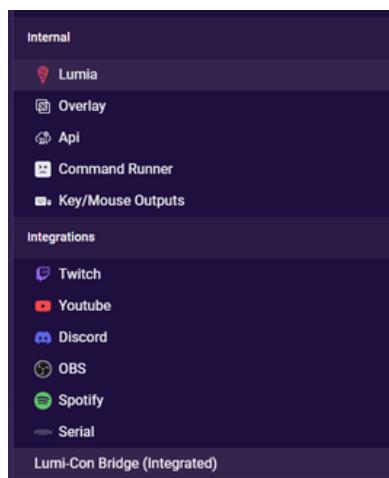
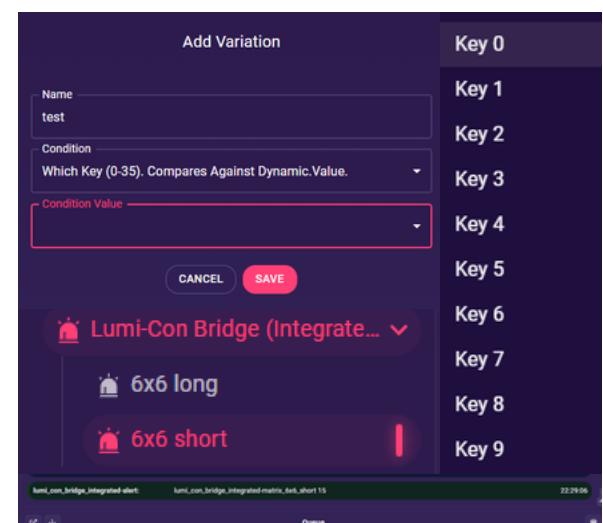
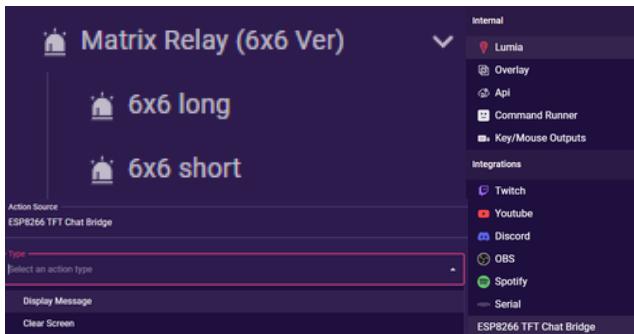
PLUGIN

A CONFIRMATION SCRENE WILL APEAR, FOR THE VERSIONS USING THE LCD THE DEVICE IP WILL BE DISPLAYED AFTER SUCCESFULL WIFI CONNECITON (SEE WIFI SETUP GUIDE) SIMPLY ADD THIS TO THE FEILD AND LUMIA SHOULD NOW BE ABLE TO UPDATE THE LCD



HIT SAVE AND ALERTS/ ACTIONS SHOULD NOW APPEAR

6X6 AND CHAT ONLY PLUGINS



INTEGRATED DUAL PLUGIN

