Go To Data Import/Export TAB in My Channel--> your created channel -->

on the left side you will see

-->Update a Channel Feed

-->Get a Channel Feed

-->Get a Channel Field

-->Get Channel Status Updates

// Select The Update channel feed

// Copy the API like shown below

GET https://api.thingspeak.com/update?api\_key=9NB0WJH6V78YVK4N&field1=0 /\*from thingspeak\*/

convert it to this form --> GET /update?api\_key=9NB0WJH6V78YVK4N&field1=%4d HTTP/1.0\r\nHost:api.thingspeak.com\r\n\r\n /\*we customised to be

interpreted by ARM7 and ESP8266. Here %4D is for ARM7 while other things are for ESP\*/

/\*

Similar APIs like this

GET https://api.thingspeak.com/update?api\_key=2D0V6KYHGBKY4ESD&field1=0

Converted to this form --> GET /update?api\_key=2D0V6KYHGBKY4ESD&field1=%4d HTTP/1.0\r\nHost:api.thingspeak.com\r\n\r\n

\*/

/\*

Similar APIs like this

GET https://api.thingspeak.com/update?api\_key=1AHY99PU383SN8QF&field1=0

Converted to this form --> GET /update?api\_key=1AHY99PU383SN8QF&field1=%4d HTTP/1.0\r\nHost:api.thingspeak.com\r\n\r\n

\*/

-we got 91 characters for --> GET /update?api\_key=1AHY99PU383SN8QF&field1=%4d HTTP/1.0\r\nHost:api.thingspeak.com\r\n\r\n

----\r and \n is a 1 character in ASCII

----but \r is counted as 2 characters

----so instead of 12/2 characters we say we had got 85 characters

----%4d

--- we will reduce from 85 to 82 as we want pot values which is interpreted by 3 characters of %4d by C compiler

---we will add 4 characters to 82 as the pot value range is of 4 digit as its 10 bit adc

---for wifi hotspot connectivity or your one's need to update in main.c file

uart1\_puts("AT+CWJAP=\"wifi\",\"abcd1234\"\r\n");