ESPEasy Command Reference

ESP Easy offers a set of commands to control hardware devices and provide some basic local control using rules. There are several ways to launch commands on ESP Easy:

Protocol	Syntax	Extra information
HTTP	**http://<espeasyip>/control?cmd=<command>**	Send commands over the HTTP protocol.
MQTT	**<MQTT subscribe template>/cmd** with payload: **<command>**	Send commands over the MQTT protocol. As of current status this is obeyed only for the first controller in the list.
Serial (TTL)	**<command>**	Send commands using serial (RX/TX). Just type the **<command>**
UDP	**SendTo <unit nr>, <command>**	Send commands from one ESP Easy unit to another. Setup UDP peer-2-peer first.
Rules	**<command>**	Internally within ESP Easy. Just enter the **<command>** within an event block or conditional block.

Commands are divided into several classes:

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Internal - Can be run from serial and rules engine
Rules -  Can be run from serial and rules engine
Plugin - Can be run from serial, rules engine, HTTP, MQTT
Special - This can be used from any source
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If you want to use internal or rules commands using HTTP/MQTT, setup an event within the rules section and remotely launch the "event" command.

Command	Class	Purpose	Syntax
Debug	Internal	Change Serial port debug level	Debug <1-4>
Delay	Rules	Delay rule processing	Delay <delay in milliSeconds>
Event	Special	Create an event, it's possible to send a float value along as well.	event,<eventName> event,<eventName>=<eventValue>
GPIO	Plugin	Direct control of output pins	See:GPIO
IP	Internal	Change IP address	IP <IP address>

Command	Class	Purpose	Syntax
LongPulse	Plugin	Direct pulse control of output pins	See:GPIO
Name	Internal	Set the name of the unit	Name <new name>
Password	Internal	Set the password of the unit	Password <new password>
Pulse	Plugin	Direct pulse control of output pins	See:GPIO
Publish	Rules	Send command using MQTT broker service	Publish <topic>, <value>
PWM	Plugin	Direct PWM control of output pins	See:GPIO
Reboot	Internal	Reboot the ESP	Reboot
Reset	Internal	Reset config to factory default	Reset
Tone	Plugin	Play tone via speaker or piezo	See:Buzzer (RTTTL)
Rtttl	Plugin	Play melody via speaker or piezo	See:Buzzer (RTTTL)
Save	Internal	Save config to persistent flash memory	Save
SendTo	Rules	Send command to other ESP (using UDP)	SendTo <unit nr>, <command>
SendToHTTP	Rules	Send command to other network device using HTTP	SendToHTTP <IP address>, <Portnumber>, <command>
SendToUDP	Rules	Send command to other network device using UDP	SendToUDP <IP address>, <Portnumber>, <command>
Servo	Plugin	Direct control of servo motors	See:GPIO
Settings	Internal	Show settings on serial terminal	Settings
Status	Plugin	Show status on previously controlled pins	Status <device>,<pin>
TaskValueSet	Rules	Set values on a Dummy Task device	TaskValueSet,<task/device nr>,<value nr>,<value/formula>
TimerSet	Rules	Start a timed event	TimerSet,<timernr>,<timeInSeconds>
Unit	Internal	Set the unit number	Unit <unit number>
WifiAPKey	Internal	Change AP WPA key	WifiAPKey <WPA key>
WifiConnect	Internal	Connect to configured wireless network	WifiConnect
WifiDisconnect	Internal	Disconnect from wireless network	WifiDisconnect
WifiKey	Internal	Change WPA key for primary WiFi	WifiKey <Wifi WPA key>
WifiKey2	Internal	Change WPA key for secondary WiFi	WifiKey2 <Wifi WPA key>
WifiScan	Internal	Scan Wireless networks	WifiScan
WifiSSID	Internal	Change SSID to connect as primary WiFi	WifiSSID <SSID>

Command	Class	Purpose	Syntax
WifiSSID2	Internal	Change SSID to connect as secondry WiFi	WifiSSID2 <SSID>

Comment convertir les degrés Fahrenheit en degrés Celsius ou en degrés Kelvin?

De	A	Formule
Fahrenheit	Celsius	°C = (°F - 32) / 1,8
Fahrenheit	Kelvin	K = (°F + 459,67) / 1,8
Celsius	Fahrenheit	°F =(°C x 1,8) + 32
Celsius	Kelvin	K = °C + 273,15
Kelvin	Celsius	°C = K - 273,15
Kelvin	Fahrenheit	°F = (K x 1,8) - 459,67