

# SYNTHIAM

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## Command Syntax For Data Retrieval

It seems a lot of people are getting a little confused over the script commands for receiving data and have noticed the syntax is incorrect. So it's tutorial time again ☐

Basically, the common mistake is to assume the command for receiving ADC, HTTP etc. data is like; ``` HTTPGet("http://192.168.0.100/temp.cgi") ```

However that will return an invalid syntax.

If you think about it, that is no different to having a line of code which is; ``` 23 ```

The returned data in the HTTPGet example could be 23, so what...

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## Step 1

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If you think about it, that is no different to having a line of code which is; ```` 23 ````

The returned data in the HTTPGet example could be 23, so what use is 23 on it's own? You have to remember that all get/fetch commands should be looked at as though they are data and not commands. The data alone will be of no use if not used as part of a process or stored as a variable for later use.

The correct syntax would be; ```` $temp = HTTPGet("http://192.168.0.100/temp.cgi") ````

or as part of a function

```
``` IF(HTTPGet("http://192.168.0.100/temp.cgi") > 23) SayWait("Man, it's hot in here!") ElseIf(HTTPGet("http://192.168.0.100/temp.cgi") < 18) SayWait("Brrrr, it's cold in here!") Else SayWait("It's perfect in here") EndIf ```
```

The same applies to all commands that will fetch data from somewhere including;  
GetPWM GetServo GetServoSpeed GetSpeed GetSpeedLeft GetSpeedRight  
GetCPUTemp GetVoltage GetADC GetRandom GetRandomUnique GetDigital GetPing  
HTTPGet GetChatAt GetByteAt GetByte GetAsByte GetBit GetVolume I2CRead  
UARTRead FileReadEnd FileReadChar FileReadLine FileReadAll FileReadLineRandom

And possibly more, I think I listed them all but with EZ-Builder updates so often it probably wont stay that way.

If you get a syntax error read the help on the right of the script dialogue, there are always examples ☐

Update: That said, HTTPGet() will work without assigning variables etc. since it can be used to operate devices and websites etc. such as [NotifyMyAndroid](#). However if used to return data it must be assigned to a variable or used as part of an operation/process.