



Feasa Scripting guide

rev. 9

General

`@FEASA SCRIPT`

Keyword to tell the interpreter that this is a Feasa Commands Script

`#COMMENT`

Line starting with hash is considered a comment and will be ignored by the interpreter

`INCLUDE "[the_file_path]"`

To append the code of an external script into the current one. The execution is sequential, so arrived to this instruction the commands in the included script file will be executed, as if it was a part of the current script.

`QUIT`

Stop execution

`END`

Flag to indicate the end of the script

Commands execution

`STRINGTOWAIT "[STRING_TO_WAIT]"`

To set the string that will be considered as the end of a response received from a Feasa Device. Wild cards accepted: [LF],[CR],[EOT],[CRLF],[CRLFEO]

`RESPONSETIMEOUT [NUMBER_OF_MILLISECONDS]`

To set the maximum time to be wait until a response is received

`RUN "[COMMAND]", [NUMBER_OF_CHARS_TO_RECEIVE], [RESPONSE_TIMEOUT in ms]`

`RUN "[COMMAND]"`

`RUN [COMMAND]`

To send a command to the Feasa Device. CR and LF characters are automatically appended to the end of the COMMAND

`SHOWTX`

To enable or disable the echo of a command sent by function RUN

`SHOWRX`

To enable or disable the echo of a response received by function RUN

External trigger

`WAITFORTRIGGER [TIMEOUT], [WAIT_FOR_RESPONSE: true,false]`

Stops script execution for limited period of time given by Timeout parameter, until a External Trigger condition is detected. Second parameter Wait for response must be set to “true” if the Feasa device has has been configured to output the results when the capture is completed after the trigger.

Logging

```
LOGON "[the_file_path]"
```

```
LOGON "[the_file_path]", [RX], [TX]
```

To start logging data to a file. RX=log data received (default), TX=log data transmitted. Wild cards accepted for the path: [MYDOCUMENTS],[DESKTOP]

```
LOG "[write_your_text_here]"
```

To print a message to the log file. Accept the wild cards [DATE], [TIME]

```
EMPTYLOG
```

To clear the contents of the Log file

```
LOGOFF
```

To stop logging data

External Serial Communications

```
SERIALOPEN [PORT_NUMBER],[BAUDRATE],[PARITY: 0=none; 1=odd; 2=even],[DATABITS:  
5;6;7;8],[HANDSHAKE: 0=none;1=hardware;2=software Xon/Xoff],[STOPBITS:  
0=none;1=1;2=1.5;3=2]
```

To open a serial port

```
SERIALSEND [PORT_NUMBER],[DATA_TO_SEND]
```

To send data over a serial port previously opened

```
SERIALWAITFORRESPONSE [PORT_NUMBER],[EXPECTED_RESPONSE],[TIMEOUT],  
[ACTION_ON_ERROR:"POPUP","PRINT","IGNORE"],  
[ACTION_ON_SUCCESS:"POPUP","PRINT","IGNORE"]
```

To wait for a certain response from a serial port. Wild cards accepted for expected response parameter: [LF],[CR],[EOT],[CRLF],[CRLFEOOT]

```
SERIALCLOSE [PORT_NUMBER]
```

To close a serial port

Delays

```
DELAYMS [NUMBER_OF_MILLISECONDS]
```

To delay the execution a certain number of milliseconds

```
DELAY [NUMBER_OF_SECONDS]
```

To delay the execution a certain number of seconds

Debugging

```
PRINT "[write_your_text_here]"
```

To print a text to console. Wild cards accepted: [DATE],[TIME]

`MESSAGE "[write_your_text_here]"`

Displays a pop-up message with a text in graphic mode or prints out a message to console in command line mode

`ABORTBOX "[write_your_text_here]"`

Displays a dialog box showing the buttons "OK" and "Cancel". If Cancel is pressed, the execution of the script will be interrupted.

`PRINTTIME`

To print the current time to console

`CLS`

To clear the console

Time measurement

`GRABTIME`

To set a time stamp

`GETELAPSED`

Prints out the current time elapsed since the last time stamp

External programs

`SHELLEXEC "[PROGRAM_PATH]", "[PROGRAM_ARGUMENTS]", [WAIT_TO_COMPLETE:true|false]`

Executes external program. If last argument (wait_to_complete) is “true”, then the Terminal will pause the execution until the external program finishes the execution.

Command-line

```
FeasaTerminal.exe [-help] [-port comm_port_number] [-sn device_serial]  
[-baudrate baudrate_number] [-echo rx|tx|all] -script path_to_script
```

- + parameter help shows this information.
- + either parameter port or sn must be set to specify what device will be opened.
- + comm_port_number: value between 1 and 255.
- + device_serial: a 4 character identifier of the Feasa device.
- + baudrate_number: the baud-rate of the Feasa Device 9600, 19200, 38400, 57600, 115200, 230400, 460800. Auto baud-rate is used if this parameter is not given.
- + echo parameter is used to visualize the commands transmitted or their responses in console. All data is printed if omitted.
- + the path set in parameter -script accepts the wild cards [DESKTOP] and [MY_DOCUMENTS] which are equivalent to their paths

Cheatsheet

General @FEASA SCRIPT #COMMENT INCLUDE QUIT END	Commands execution STRINGTOWAIT "[STRING_TO_WAIT]" RESPONSETIMEOUT [NUMBER_ms] RUN "[COMMAND]", [CHARS_RX], [TIMEOUT] RUN [COMMAND] SHOWTX [EN:0,1] SHOWRX [EN:0,1] WAITFORTRIGGER [TIMEOUT], [WAIT_FOR_RESPONSE:true false]
Logging LOGON "[the_file_path]" LOGON "[the_file_path]", [RX], [TX] LOG "[write_your_text_here]" EMPTYLOG LOGOFF	Debugging PRINT "[write_your_text_here]" MESSAGE "[write_your_text_here]" ABORTBOX "[write_your_text_here]" CLS
Delays DELAYMS [NUMBER_ms] DELAY [NUMBER_s]	Time measurement GRABTIME GETELAPSED PRINTTIME
External Serial Communications SERIALOPEN [PORT], [BR], [P:0=none; 1=odd; 2=even], [BITS: 5;6;7;8], [HS:0=no;1=hard;2=soft], [STOP: 0=none;1=1;2=1.5;3=2] SERIALSEND [PORT_NUMBER], "[DATA_TO_SEND]" SERIALWAITFORRESPONSE [PORT], [RESPONSE], [TIMEOUT], [ON_ERROR], [ON_SUCCESS] * ACTIONS: "POPUP","PRINT","IGNORE" SERIALCLOSE [PORT_NUMBER]	
External programs SHELLEXEC "[PROGRAM_PATH]", "[PROGRAM_ARGUMENTS]", [wait_to_complete:true false]	

Feasa Enterprises Limited

Holland Road,
National Technology Park,
Castletroy,
Limerick (Ireland)

Tel: +353 61 330333
E-mail Sales: sales@feasa.ie
E-mail Support: support@feasa.ie