

Possibilities for program changes on the AST10-Controller over HTTP

The web interface of the AST10 communicates with the controller over HTTP. Also, any data for the changing or generating of programs are transmitted this way.

The data is transmitted in ASCII data-format, which is received by a CGI-program and subsequently evaluated. This data-format cannot only be transmitted by a browser, but also by any other program, which uses HTTP. Since HTTP is widely known and since there are many program directories available for HTTP, such a program is relative simple.

The data format may be as follows:

```
/cgi-bin/cgiread?changeprog=&site=3&add=&steps=01%2C24%2C&marked=&
where=a&program=1&head_title=Standard+1&head_dir=0&head_feed=0&p01
_block=1&p01_num=1&p01_1=2000&p01_2=1.80&p01_3=1.60&p01_4=2.10&p01
_10=222&p01_9=0&p01variant=1&p01_5=0&p01_7=1000&p01_8=1000&p02_blo
ck=24&p02_num=1
```

The data format contains the following components:

- /cgi-bin/cgiread
a program, which needs to interpret the input
- ?
a delimiter for the beginning of a parameter
- changeprog=&site=3&add=&steps=01%2C24%2C ...
the actual parameter

The parameters are separated by the „&“ symbol. Each parameter is described by name and value and separated by the „,“ symbol. The value is not needed if the data format is empty (" ").

At the start is the general parameter to describe the application, followed by the parameter of the individual program steps.