

TCP Server

This device core enables a TCP Server on the SKAARHOJ controller.

Connect to the controller with a command like "telnet 192.168.10.253 9923" (port 9923)

Then you should see an output like this:

```
Kaspers-MBP-3:Papers kasper$ telnet 192.168.10.253 9923
Trying 192.168.10.253...
Connected to 192.168.10.253.
Escape character is '^]'.
help
List of commands:
- help : This message
- HWC#xx=Down : Simulate a Down trigger for HWC xx
- HWC#xx=Up : Simulate an Up trigger for HWC xx
- HWC#xx=Press : Simulate an immediate Down+Up trigger for HWC xx
- HWC#xx=Abs:y : Send absolute value (y=0-1000) to HWC xx
- HWC#xx=Enc:y : Send encoder pulses (y=integer) to HWC xx
- HWC#xx=Speed:y : Send speed value (y=integer) to HWC xx
- Mem[A-L]=y : Set Memory value (byte)
- Flag#[0-63]=[1/0] : Set Flag bit
- Shift[/A/B/C/D]=y : Set Shift register value
- State[/A/B/C/D]=y : Set State register value [0-9]
- ActivePanel=[0/1] : Set active panel state
- ping : Responds with ACK
- list : Dump state
```

Multiple clients can connect simultaneously, up to 8, but each client will take up a socket on the controller and one socket will be used to listen for new clients (until 8 connections are reached or no more sockets are available), so if this device core is used side by side other IP connecting device cores, they are mutually limiting each other. And unlike other device cores, this one will take up a dynamic amount of sockets depending on connected clients.

Bit 0-3 forms a number from 0-15:

- 0 = Off
- 2,3,4 = On (where 2=red, 3=green, 4="On" color (white or yellow))
- 5 = dimmed "On" color.

Bit 4: Blink flag for monocolour buttons

Bit 5: Output bit; If this is set, a binary output will be set if coupled with this hwc.

Only one TCP Server Device Core may be installed on a controller.