

# Device: ATEM PROXY v2

February 2021



## Introduction

The SKAARHOJ ATEM Proxy v2 offers a way to expand the number of connected SKAARHOJ controller clients to an ATEM switcher using our new skaarOS platform.

See this presented here: <https://www.youtube.com/watch?v=ApYouYfX5G4> (investigation are old - number of clients might depend on Firmware Version)

- ATEM Production Studio 4K (5 clients)
- ATEM Television Studio (5 clients)
- ATEM 2 M/E (7 clients)

### **Update 19.09.14**

ATEM 4K 1 M/E (6 clients)

ATEM 1 M/E (5 clients)

### **Update 23.11.14**

ATEM 4K 2 M/E (8 clients)

### **Update 14.09.20**

Check with Blackmagic Support for connect client limits of the Atem

## Setting IP of ATEM Proxy and ATEM IP

The IP address for the Atem Proxy v2 and the IP address used for the Atem can be changed by accessing the Proxy's web interface.

The Atem Proxy's IP address can be changed in the IP Configuration section. This can be set to either DHCP or to a static IP address. Once it has been changed press SAVE.

### IP Configuration

**Attention**  
If you make changes here, you loose the actual connection to the Device!

IP address: 192.168.10.99  
 Subnet Mask: 255.255.255.0  
 Router: 192.168.10.1  
 DNS Server: 8.8.8.8  
 Fallback DNS: 000.000.000.000

### IP Configuration

**Attention**  
If you make changes here, you loose the actual connection to the Device!

### atem-proxy Configuration

ATEM\_ip: 192.168.10.240

Unknown

Starting with skaarOS 0.10, the Atem's IP address is changed via the Packages Page.

Click on the cog wheel for the atem-proxy settings.

SKAARHOJ

[Home](#)
[Packages](#)
[Settings](#)

### Skaarhoj Package Management

Installed Packages

Search...

atem-proxy

Current: 1.6.3

Proxy server for multiple Blackmagic ATEM clients

beam-hardware

Current: 0.0.6

Hardware Abstraction Layer for skaarOS

beam-mlt

Current: 0.1.20-gn4

SKAARHOJ skaarOS mlt system

beam-proxy

Current: 0.2.4

Beam core connection manager for skaarOS

Edit the Atem IP address and press Save.

SKAARHOJ

[Home](#)
[Packages](#)
[Settings](#)

### Device Core atem-proxy Settings

Settings Logs

**Running**

Core actions:

Core autostart settings:

ATEM\_ip: 192.168.10.240

## Updating Firmware

Software and Operating System updates are available on the web interface.

System Information

SYSTEM COMPONENT	INSTALLED VERSION
remoteb-link (main package)	0.1.4
Operating System	skaarOS 0.1
Init System	0.1.0

Reboot Device
Update OS
Reset Device

Available Software Versions

PACKAGENAME	VERSION	DESCRIPTION
remoteb-link	0.1.4	SKAARHOJ remoteb-link translator

Install
Refresh Versions

## Atem Connection Status

Connection between the ATEM Proxy and the ATEM Switcher can be confirmed with the message "Switcher connection established" in the Logs section of the web interface.

Clients connecting to the ATEM Proxy have confirmation with "New connection: xxx.xxx.xx.xx:yyyyy" where you can see the IP address of the clients connecting.

Logs

```

valid, device: atem-proxy" module=main
1970-01-01_00:00:19.24458 time="1970-01-01T00:00:19Z" level=info
msg="SKAARHOJ ATEMProxy v1.6 (skaaros_prod version)" module=main
1970-01-01_00:00:19.24464 time="1970-01-01T00:00:19Z" level=info msg="ATEM IP:
192.168.10.240" module=main
1970-01-01_00:00:19.24464 time="1970-01-01T00:00:19Z" level=info module=main
1970-01-01_00:00:20.24821 time="1970-01-01T00:00:20Z" level=info msg="Trying
ATEM switcher on 192.168.10.240:9910" module=skaarhoj/atem-proxy/atem
1970-01-01_00:00:20.26980 time="1970-01-01T00:00:20Z" level=info
msg="Switcher connection established" module=skaarhoj/atem-proxy/atem
1970-01-01_00:00:21.80140 time="1970-01-01T00:00:21Z" level=info msg="New
connection: 192.168.10.2:60531 (Total clients: 1)\n" module=skaarhoj/atem-
proxy/atem
1970-01-01_00:00:21.90609 time="1970-01-01T00:00:21Z" level=warning
msg="Retransmitting to 192.168.10.2:60531, packet 2, last ack: 1\n"
module=skaarhoj/atem-proxy/atem
1970-01-01_00:00:22.00757 time="1970-01-01T00:00:22Z" level=warning
msg="Retransmitting to 192.168.10.2:60531, packet 3, last ack: 2\n"
module=skaarhoj/atem-proxy/atem
1970-01-01_00:00:22.10919 time="1970-01-01T00:00:22Z" level=warning
msg="Retransmitting to 192.168.10.2:60531, packet 4, last ack: 3\n"
module=skaarhoj/atem-proxy/atem
1970-01-01_00:00:22.21118 time="1970-01-01T00:00:22Z" level=warning
msg="Retransmitting to 192.168.10.2:60531, packet 5, last ack: 4\n"
module=skaarhoj/atem-proxy/atem

```

Refresh
Autorefresh
Clear

## Client Connection Status

Clients connecting to the ATEM Proxy are confirmed with the message "New connection" as stated above. If a client are removed from the network the ATEM Proxy will state this with

"Client xxx.xxx.xxx.xx disappeared"

If the client is re-connecting to the ATEM Proxy this is stated with the usual "New connection" message.

### **Contact Skaarhoj Support**

For problems updating firmware or to check what the latest firmware version for the Atem Proxy is contact [support@skaarhoj.com](mailto:support@skaarhoj.com)