

NAT-MCH-G4 – MICROTCA CARRIER HUB GENERATION 4

QUICK START GUIDE V1.2

Dear customer,

thank you for choosing our **NAT-MCH-G4** to reliably control and manage your MicroTCA system.

N.A.T. is a leading-edge supplier for MicroTCA products and committed to provide best-in class quality to support your application. The product is designed to exceed your expectations and let you control and manage your MicroTCA system in an easy way.

In the following we have put together a few steps to get you started.

GENERAL SETUP AND INTEGRATION IN IP NETWORK

To connect the **NAT-MCH-G4** to your network, connect the USB-C connector on the MCH's front panel to a free USB port at your PC by using the provided USB cable. If using a terminal program the console usually shows up with the serial port parameters 115200,8,n,1.

Once the boot process finished, the Command Line Interface (CLI) shows up and the `<nat>` prompt is being displayed.

First thing to do is changing the default IP address of the **NAT-MCH-G4** from 192.168.1.41 to an IP address matching your networking environment using the CLI command `ifconfig [xxx.xxx.xxx.xxx] -p`.

WEB SERVER

The **NAT-MCH-G4** comes with an embedded web server which allows you to view and change configuration parameters. This onboard web server can be accessed through any standard web browser by entering the IP-address of the **NAT-MCH-G4's** management port as set above into the browser's address line.

Currently, the login is not password protected. This will be changed with upcoming firmware updates.

LEDS

Status: MCH operation status – **Green:** MCH acts as primary MCH – **Orange:** MCH acts as secondary MCH

Fault: MCH Health Status – **OFF:** no fault – **Red ON:** MCH malfunction

HS: MCH Hot-Swap Status – **OFF:** normal – **Blue Blinking (slow/fast):** transiting – **Blue ON:** ready for extraction

HELP AND TROUBLESHOOTING

In case you are encountering a misbehaviour of the **NAT-MCH-G4**, here are a few things to check and do:

- Ensure that the HS-Handle is closed, and the blue HS LED is OFF
- If the issue persists, please file a log by copying the console output to a *.txt-file and send it to N.A.T.
- For a list of supported commands, type `help`

In case your encounter any issue, please contact support at <https://nateurope.com/service/#support-request>

FIRMWARE AND UPDATES

Firmware updates are published at: <https://nateurope.com/login/> - credentials: **USR:** natmch - **PWD:** natmch
Register for our mailing list: <https://nateurope.com/register-for-updates/>

