

MSP3000 MGNT - Quick Start Manual

Module presentation



The management MGNT4 board is used to connect the equipment to the network and to make it manageable remotely through web based http craft terminal. It supplies the applications allowing to communicate with the boards inserted in the chassis and to configure them.

- On the front panel, it is composed of:
- Three Ethernet connectors
 - One NTWK
 - Two Local (for stacking and DCC)
- One console port (RS232)
- Hardware reset possibility

As it support all the software, it is through MGNT board that the node is upgrade to provide new functionality.

STEP 1: Power up the MGNT4

Insert the board and let it start

The MGNT4 can be used in 7HU and 2HU chassis as well.

Wait until MGNT HW/SW leds on the module are green and stay stable. (Around 5 min)



STEP 2: MGNT4 Setup: basic settings

MGNT first connection

Option 1: Connect the serial cable on the MGNT and open a CLI session. Connect the PC to the serial connector located on the front panel of the chassis. Launch your terminal emulation program (Bits per second: 38400, Data bits: 8, Parity:None, Stop bits: 1, Flow control: None)

Option 2: Use the default factory @IP of the MGNT and open a session. A default @IP is set in factory for the first connexion on the MNGT4. Open a session via CLI or web to the following @IP: 192.168.16.201.
Rmq : It can works only if this @IP suits the network configuration.

Then you are able to login and modify the default settings to match your DCN design.

Enter login/password to execute the first level configuration:

```
login as: administrator
Using keyboard-interactive authentication.
Password:
_____
```

Set/Modify the IP addresses of the MGNT

IP addresses configuration (@IP, mask, gateway) are needed to open an web connexion. These first settings can be done with CLI interface or web (option1 or Option 2)

Option 1: Setting through CLI:

Use the command "set_ip" to enter the IP, mask and gateway addresses on the MGNT.

On CLI -> set_ip address xxx.xxx.xxx.xxx

```
admin@Haut(792)> set_ip address 192.168.6.78
The new IP parameters will be taken into account on the next reset.
Continue ? (y/N)
```

On CLI -> set_ip subnetmask xxx.xxx.xxx.xxx

```
admin@Haut(792)> set_ip subnetmask 255.255.255.0
The new IP parameters will be taken into account on the next reset.
Continue ? (y/N)
```

On CLI -> set_ip gateway index xxx.xxx.xxx.xxx rank where:

- index stands for the index of the gateway (1 or 2)
- xxx.xxx.xxx.xxx stands for the gateway IP address
- rank stands for the rank of the gateway (lower rank has higher priority).

```
admin@Haut(792)> set_ip gateway 1 192.168.6.3 1
The new IP parameters will be taken into account on the next reset.
Continue ? (y/N)
```

Option 2 : Setting through web interface

- Connect the ETH cable into the NTKW connector.
- Check the connectivity of the node with a 'ping' command on 192.168.16.201.
- Open a web browser and enter the IP address previously set.
- The web first connection window open with the login/password parameters to enter.
- Open the top menu Application ->Administration and perform the @IP modifications. A restart will be needed.

STEP 3: Connection to the node

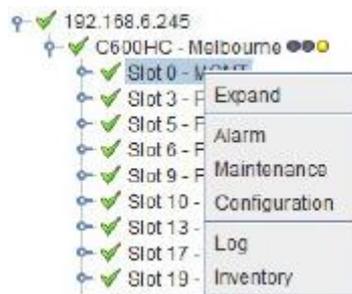
Connection to the node

- Connect the ETH cable into the NTKW connector.
- Check the connectivity of the node with a 'ping' command. Enter the definitive @IP
- Open a web browser and enter the IP address previously set.
- The web first connection window open with the login/password parameters to enter.

Release of the MGNT

Verify the release version of the MGNT

On web interface -> Select the MGNT4 -> Right Click -> Inventory



On CLI -> inventory

```
administra@Astana(10802)> inventory
```

Following description should be displayed.

MGNT SOFTWARE PACKAGE

```
Mnemonic : MGNT4
Active Release Name : Release 6.3.833
```

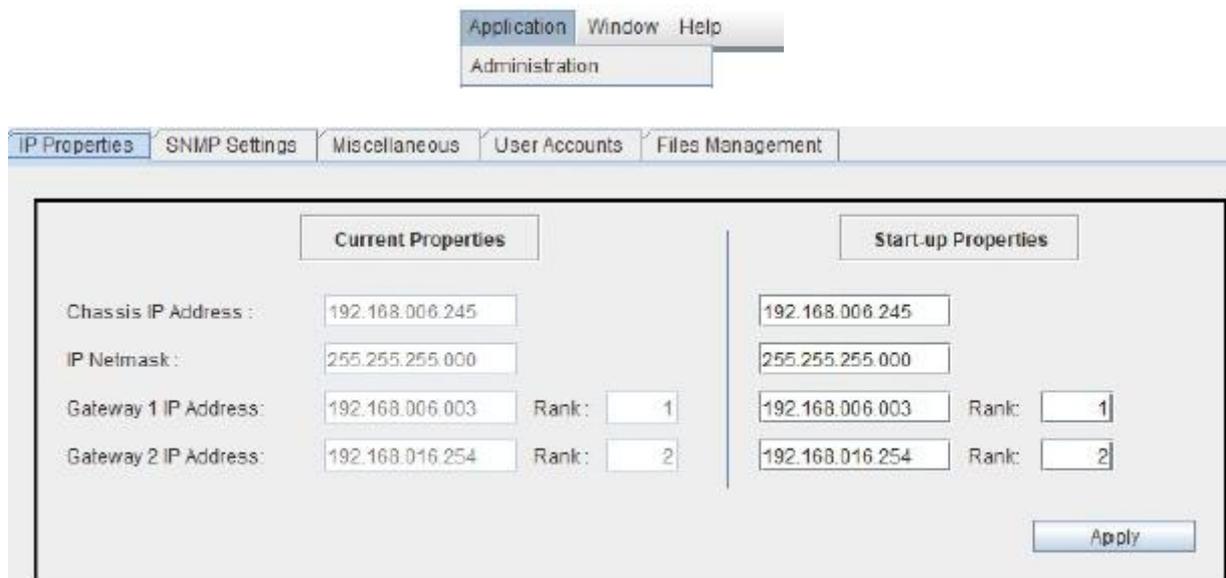
If the release version is not the expected one, refer to the upgrade procedure to update it.

Finalisation of the MGNT setting

On web interface -> Select the MGNT4 -> Right Click -> Configuration



On web interface -> Select the top menu Application ->Administration



On CLI -> properties

```
administra@Melbourne (2791) > properties
```

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