

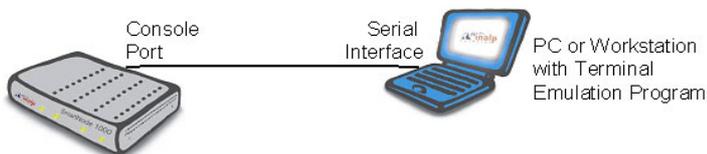
QUICK START GUIDE

This Quick Start Guide leads you through the basic steps to set up a new SmartNode and to download a configuration. Please note that this guide does not replace the detailed Software Configuration Guide and the Hardware Installation Guide.

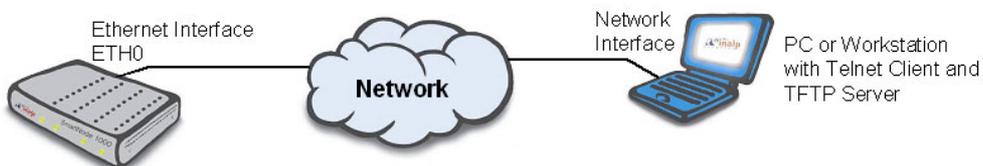
Inalp SmartNodes can be used for a wide variety of IP-based network applications. To support and ease the configuration of the SmartNodes configuration templates for the most important applications are available on the Inalp web server (<http://www.inalp.ch/en/support/confignotes/>).

Below the main steps to set up a new SmartNode are shown (as of release 2.00).

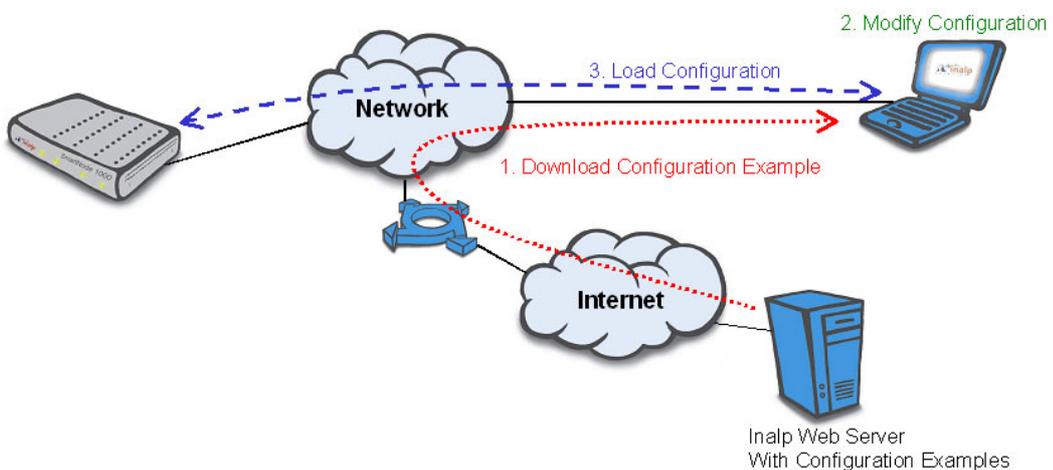
1 Configure IP Address



2 Connect the SmartNode to the Network



3 Load Configuration



1 Configure IP Address

Power Connection and Default Configuration

First the SmartNode must be connected to the mains power supply with the power cable. Wait until the 'Run' LED stops blinking and lights constantly. Now the SmartNode is ready.

The factory default configuration presets the IP addresses and network masks:

Interface Ethernet 0 (ETH0): IP Address: 172.16.40.1 Network Mask: 255.255.0.0
 Interface Ethernet 1 (ETH1): IP Address: 192.168.1.1 Network Mask: 255.255.255.0

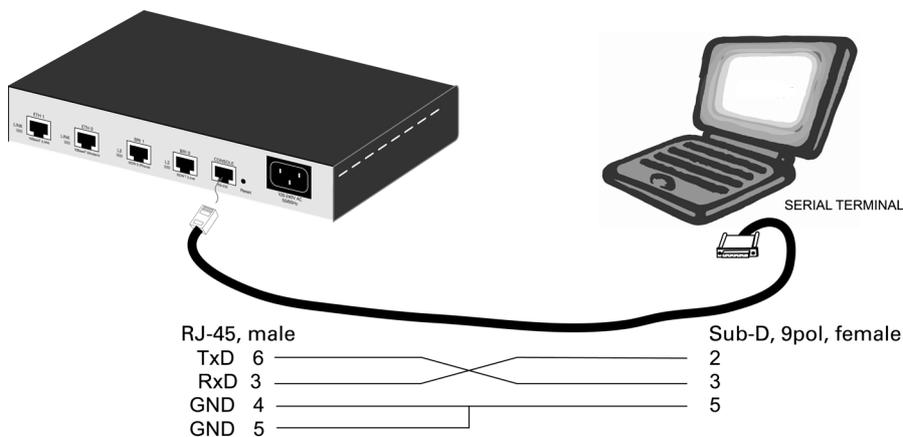
Both Ethernet interfaces are activated.

If these addresses do not match with your network they must be changed. Otherwise you can directly continue with chapter *Connect The SmartNode With The Network*. To change the addresses and network masks proceed as follows:

Connect with the Serial Interface

Connect the SmartNode over its console port (labeled CONSOLE) to a PC or Workstation with a serial interface (RS-232) and an installed terminal emulation program, which supports the serial interface (e.g. HyperTerm).

Terminal emulation program settings: 9600-baud, no parity, 8 bit, 1 stop bit, 1 start bit



Login

Accessing your SmartNode via the local console port (or via a Telnet session) will open a login screen. At the very beginning a factory preset administrator account with name *administrator* and an empty password exists in SmartWare. For that reason use the name *administrator* after the login prompt and simply press the Enter key after the password prompt.

```
login:administrator
password:
172.16.40.1>
```

After you have successfully logged in you are in the operator execution mode, indicated by '>' as command line prompt. With the commands *enable* and *configure* you enter the configuration mode.

```
172.16.40.1>enable
172.16.40.1#configure
172.16.40.1(cfg) #
```

Changing the IP Address

Select the context IP mode to configure an IP interface.

```
172.16.40.1 (cfg) #context ip router
172.16.40.1 (ctx-ip) [router] #
```

Now you can set your IP address and network mask for the interface *eth0*. Within this example a class C network (172.16.1.0) is assumed. The IP address is set to 172.16.1.99.

```
172.16.40.1 (ctx-ip) [router] #interface eth0
172.16.40.1 (if-ip) [eth0] #ipaddress 172.16.1.99 255.255.255.0
2002-10-29T00:09:40 : LOGININFO : Link down on interface eth0.
2002-10-29T00:09:40 : LOGININFO : Link up on interface eth0.
172.16.1.99 (if-ip) [eth0] #
```

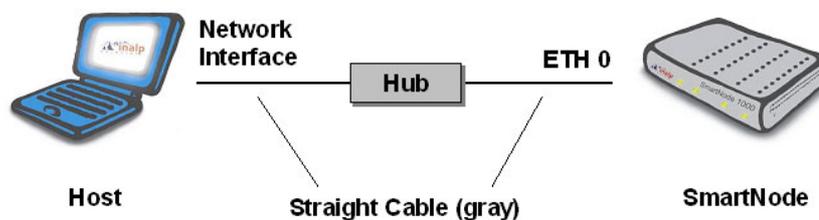
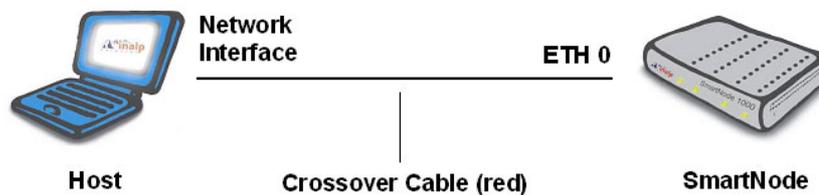
Make this modified configuration to your new start-up configuration. On the next start-up the system will initialize itself using the modified configuration.

```
172.16.1.99 (if-ip) [eth0] #copy running-config startup-config
172.16.1.99 (if-ip) [eth0] #
```

Eventually the SmartNode can be connected with your network.

2 Connect the SmartNode to the Network

Depending whether you connect the SmartNode to a host directly or via a hub or switch either straight or crossover cables must be used.



You can check the connection with the ping command.

```
172.16.1.99 (if-ip) [eth0] #ping <IP Address of the host>
```

Respectively from the host: **ping 172.16.1.99**



3 Load Configuration

Download a configuration note to your PC from the support page of the Inalp Web server (<http://www.inalp.ch/en/support/confignotes/>), which matches your application. Adapt the configuration as described in the configuration note to your network (do not forget to modify the IP address) and copy the modified configuration to a TFTP server. The SmartNode can now load its configuration from this server.

In this example we assume the TFTP server on the host with the IP address 172.16.1.11 and the configuration named SN.cfg in the root directory of the TFTP server.

```
172.16.1.99(if-ip) [eth0]#copy tftp://172.16.1.11/SN.cfg startup-config
Download...100%
172.16.1.99(if-ip) [eth0]#
```

After the SmartNode has been rebooted the new start up configuration will be activated.

```
172.16.1.99(if-ip) [eth0]#reload
Running configuration has been changed.
Do you want to copy the 'running-config' to the 'startup-config'?
Press 'yes' to store, 'no' to drop changes : no
Press 'yes' to restart, 'no' to cancel : yes
The system is going down
```

Additional Information

For detailed information about configuring and operating guidance, set up procedures and trouble shooting please consult the Software Configuration Guide and the SmartNode Hardware Installation Guide on the enclosed CD-ROM. On the CD you will also find a freeware TFTP Server, which is also available from <http://solarwinds.net/>.

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