AMTECH communication box
EN
Telnet

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CONFIGURATION VIA TELNET PROTOCOL

Connection

IP address is not known

It is recommended that the IP address should be set using the Ethernet Configurator software.

1. Open the window of the cmd command. (In the Windows OS select Start/Run, enter cmd in the provided line and click Enter.)
2. Make the following entries into the ARP table:
    a. Type arp –d and confirm by Enter. This will delete the current ARP table.
    b. Use the following command to assign 192.168.1.254 to the module MAC address:
        arp –s [new_ip_address] [MAC_address_of_device]
        example: arp -s 192.168.1.254 00-20-4a-80-65-6e
3. Now open Telnet. (Type in telnet and click Enter.)
4. Enter open [new_ip_address] 1 and confirm.
5. After a while, the terminal will display an error message saying that connection failed. However, this step is necessary for the module to enter the IP address into its ARP table.
6. Connect to the IP address of the module. (Type in open [IP address in dotted format] 9999 and click Enter.)
7. So far you only entered the configuration mode of the module. The IP address has not been set yet. It must be set in the menu Server Configuration > IP Address. If you close the configuration mode without saving the settings and IP address configuration, the whole procedure must be repeated!
8. If the entered IP address is valid, the device displays an introductory text ending with:
    Press Enter for Setup Mode
    Press Enter within 3 seconds, otherwise the configuration mode will close.
9. The device will display a preview of its settings.
10. The preview ends with a paragraph called "Change setup:" which lists the groups of parameters that can be configured. Network parameters can be changed in the "Server" section where you can set a new network address and other parameters.

IP address is known

1. In OS Windows choose Start/Run, enter telnet in the provided line and press Enter. **Error! Bookmark not defined.**
2. Connect to the IP address of the module. (Type in open [IP address in dotted format] 9999 and press Enter.)
3. If the entered IP address is valid, the device displays an introductory text ending with:
    Press Enter for Setup Mode
    Press Enter within 3 seconds, otherwise the configuration mode will close.
4. The device will display a preview of its settings.
5. The preview ends with a paragraph called "Change setup:" which lists the groups of parameters that can be configured. Network parameters can be changed in the "Server" section.

Telnet main menu

Individual items can be chosen using the numbers written next to them. Choose the required number and press Enter.

The menu structure is as follows:

```
Change Setup:
  0 Server

    ...

  7 Defaults
  8 Exit without save
  9 Save and exit            Your choice ?
```

Server

Basic Ethernet settings.

This section contains the following parameters:

```
IP Address : (192) .(168) .(001) .(122)
Set Gateway IP Address (N) ?
Netmask: Number of Bits for Host Part (0=default) (16)
Change telnet config password (N) ?
```

IP Address

(IP address)

> IP address of the module. The digits must be entered one by one and separated by Enter.
> Default value: 192.168.1.254

Set Gateway IP Address

(set the IP address of the gateway)

Gateway IP addr

(IP address of the gateway)

> In "Set Gateway IP Address" enter "Y" to change the IP address. The system then prompts you to change the Gateway IP address. The digits must be entered one by one and separated by Enter.

Netmask

(network mask)

> Here you specify the number of bits of the IP address that make up the network part.
> The Netmask is set as a number of bits determining the range of available IP addresses of the local network. If, for example, value 2 is entered, the structure of the Netmask is 255.255.255.252 . The entered value specifies the number of bits from the right. The maximum is 32.
> Default value: 8
> Example:
> Mask 255.255.255.0 (binary form: 11111111 11111111 11111111 00000000) =. number 8.
> Mask 255.255.255.252 (binary form: 11111111 11111111 11111111 11111100) = number 2.

Change telnet config password

(Set the password for Telnet)

Enter new Password

(Enter the password for Telnet)

This parameter is used to set a new password which is required prior to any configuration via Telnet or via WEB interface (admin password).

For item "Change telnet config password", enter "Y" to change the password. The system then prompts you to change the password.

Factory Defaults

By pressing number 7 the device restores the default settings. The default setting means that all parameters will return to their initial factory settings. The IP address remains unchanged; the web interface port is set to 80.

Exit without save

To close the configuration mode without saving the changed parameters.

Save and exit

This option saves the changes. If any parameter has been changed, the device is restarted. The restart takes several tens of seconds.