

Quick Reference Guide

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Configuration via Enhanced Telnet Menu

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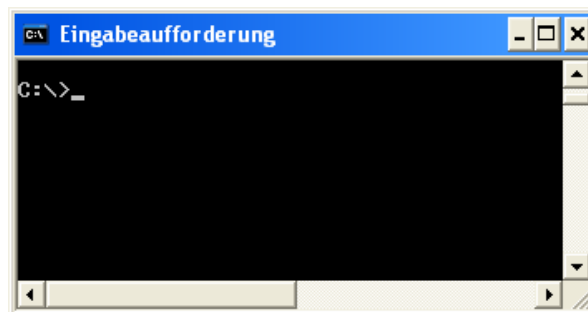
INTRODUCTION

A new IP address, basic application settings and a configuration up- or download can be done via the emergency menu.

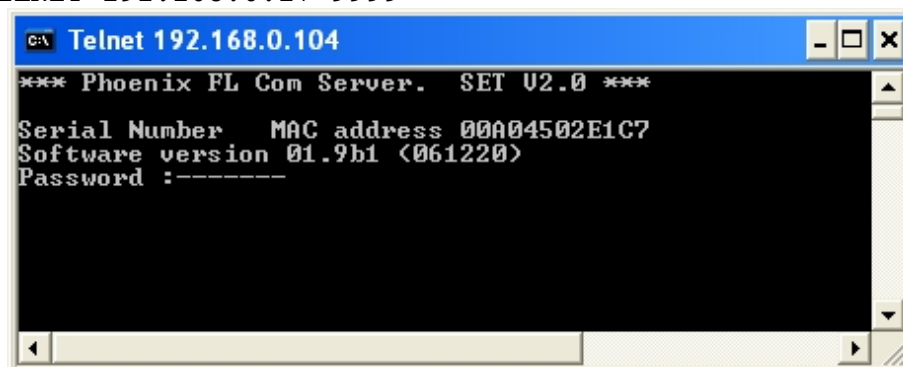
To get access to the menu and to configure the device follow the following steps.

Telnet Connection

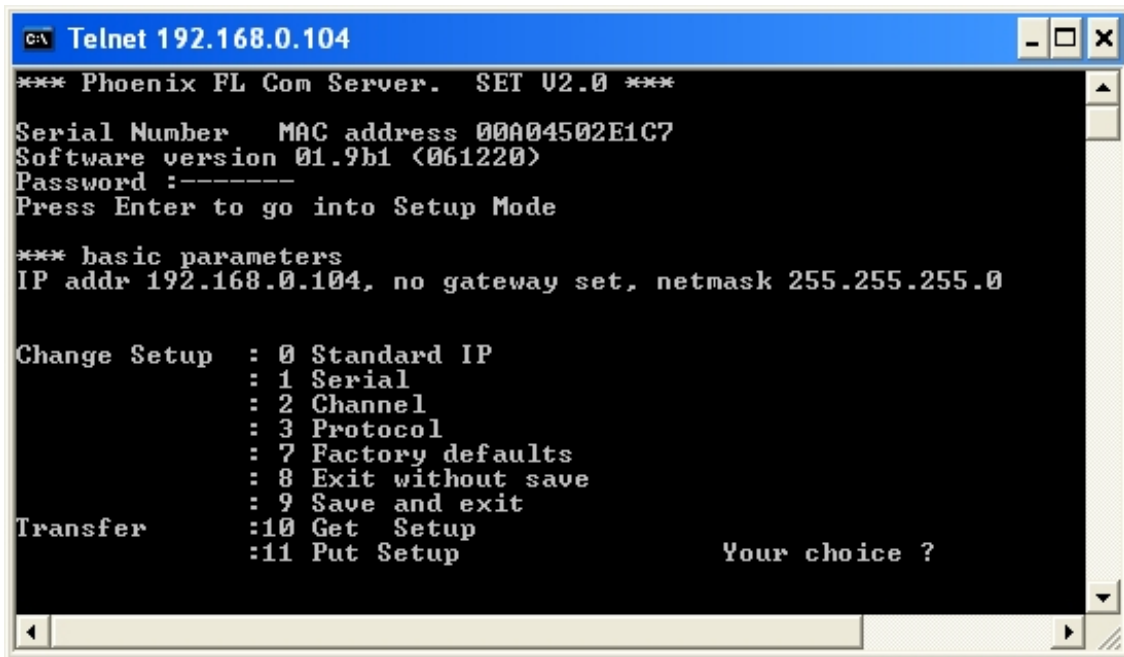
1. Switch over to the DOS command window which can be found in the Windows start menu under "Start => Programs => Accessory => Command Prompt



2. Establish a Telnet connection to port 9999 of the FL COM SERVER RS....
e.g., TELNET 192.168.0.17 9999



3. Enter the system password in the following password request (default = **private**).
4. Press "ENTER" twice to confirm the entry.



```
C:\ Telnet 192.168.0.104
*** Phoenix FL Com Server.  SET V2.0 ***
Serial Number   MAC address 00A04502E1C7
Software version 01.9b1 (061220)
Password :-----
Press Enter to go into Setup Mode

*** basic parameters
IP addr 192.168.0.104, no gateway set, netmask 255.255.255.0

Change Setup   : 0 Standard IP
                : 1 Serial
                : 2 Channel
                : 3 Protocol
                : 7 Factory defaults
                : 8 Exit without save
                : 9 Save and exit
Transfer       :10 Get Setup
                :11 Put Setup
Your choice ?
```

The Setup Menu shows the basic IP-Parameters, the different setup options and the configuration transfer options.

Setup 0 STANDARD IP

```

IP Address : <192> .<168> .< 0> .<104>          Your choice ? 0
Set Gateway IP Address <N> N
Netmask: Number of Bits for Host Part <0=default> <8>
Last Auto IP address: 192.168.0.254
    
```

1. Change IP-Adress
2. Choose Gateway settings
3. Setup subnet mask

The subnet mask is set in the Telnet and serial setup by entering the computer bits (host bits).

The subnet mask classifies the subnet mask

	Network bits	PC bits	Subnet mask
Class A	8	24	255.0.0.0
Class B	16	16	255.255.0.0
Class C	24	8	255.255.255.0

Examples:

Subnet mask	PC bits
255.255.255.252	2
255.255.255.248	3
255.255.255.240	4
255.255.255.224	5
255.255.255.192	6
255.255.255.128	7
255.255.255.0	8
255.255.254.0	9
255.255.252.0	10
255.255.248.0	11
...	
...	
255.128.0.0	23
255.0.0.0	24

Setup 1 SERIAL Settings

```
Line Speed 0-11 <2>:
Mode: Bits 7!6      Bits 5!4      Bits 3!2      Bits 1!0
      01=1SB 11=2SB  00=NP 01=OP 11=EP  10=7B 11=8B  00=RS232 01=422 11=485
<4C>: _
```

1. Choose Serial line speed.

Serial Speed (Bit/s)	Setup No.	
300	7	
600	6	
1 200	5	
2 400	4	
4 800	3	
7 000	11	
9 600	2	(default)
19 200	1	
38 400	0	
57 600	9	
115 200	8	
187 500	10	

2. Choose Interface Mode

Interface Mode Options	7	6	5	4	3	2	1	0
RS-232							0	0
RS-422							0	1
RS-485, 2-wire							1	1
7 Bit					1	0		
8 Bit					1	1		
No Parity			0	0				
Even Parity			1	1				
Odd Parity			0	1				
1 Stop-Bit	0	1						
2 Stop-Bits	1	1						

List of possible I/F-Mode settings

Interface	Bits	Parity	Stop Bits	Binär	Hex	
RS-232	7	No	1	01001000	48	
	7	No	2	11001000	C8	
	7	Even	1	01111000	78	
	7	Even	2	11111000	F8	
	7	Odd	1	01011000	58	
	7	Odd	2	11011000	D8	
	8	No	1	01001100	4C	(default)
	8	No	2	11001100	CC	
	8	Even	1	01111100	7C	
	8	Even	2	11111100	FC	
	8	Odd	1	01011100	5C	
	8	Odd	2	11011100	DC	
	RS-422	7	No	1	01001001	49
		7	No	2	11001001	C9
7		Even	1	01111001	79	
7		Even	2	11111001	F9	
7		Odd	1	01011001	59	
7		Odd	2	11011001	D9	
8		No	1	01001101	4D	
8		No	2	11001101	CD	
8		Even	1	01111101	7D	
8		Even	2	11111101	FD	
8		Odd	1	01011101	5D	
8		Odd	2	11011101	DD	
RS-485		7	No	1	01001011	4B
		7	No	2	11001011	CB
	7	Even	1	01111011	7B	
	7	Even	2	11111011	FB	
	7	Odd	1	01011011	5B	
	7	Odd	2	11011011	DB	
	8	No	1	01001111	4F	
	8	No	2	11001111	CF	
	8	Even	1	01111111	7F	
	8	Even	2	11111111	FF	
	8	Odd	1	01011111	5F	
	8	Odd	2	11011111	DF	

Setup 2 CHANNEL Settings

```
Own Port <3001>:
Partner IP< 0> .< 0> .< 0> .< 0>
Partner Port <0>:
Idle Force T.O. chars<Max 255>: <10>:
Your choice ? 2
```

1. Setup own port where the application should communicate over.
2. Setup Partner IP (Remote IP) of the opposite device
3. Setup Partner Port No. (Remote Port) of the opposite device

Setup 3 PROTOCOL Settings

```
Mode: UDP:0 TCP:1 MODBUS_TCP:3 PPP:4 <1>:
Type: Server:0 Client:1 <0>:
Your choice ? 3
```

1. Setup the Communication protocol (default: TCP)
2. Setup device type (default: Server)

Setup 7 FACTORY defaults

This option resets the device to the delivery status except the IP-Settings (all passwords and application settings will be reset).

Setup 8 Exit without save

This option aborts the configuration session without saving any parameters.

Setup 9 Save and Exit

This option saves all new parameters and terminates the configuration session.

Transfer 10 and 11

This option is for a upload and download of the device configuration to external files. Please refer the extra Quick Reference Guide.