

**Subject:** This document describes, how to configure an external installed ESMD or DDF255 GUI via command line arguments.

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## External GUI Installation

After installation of the ESMD GUI on a PC ( remote computer) the following command line parameters are configured by the installation for example:

C:\Programme\ESMDGui\ESMDGui.exe -s extern -n 10.8.11.23

- s extern** is necessary if the GUI does not run on the ESMD internal computer but on a remote computer. Do not use -s internal on a remote computer because of IP address conflicts
- n <ESMD IP-Address> <ESMD-Port>** With <ESMD IP Address> the IP address of the ESMD is set to which you want to connect, e.g. "89.10.11.23" or "rs-ESMD-100001-002".  
With <ESMD-Port> the port number of the ESMD is set. If <ESMD-Port> is omitted the default port number 5555 is used, e.g. "89.10.11.23 6000" or "89.10.11.23:6000". The separator between IP-Address an Port can be a space or a colon.
- h <Host IP-Address>** With <Host IP Address> the IP address of the network adapter is set which should be used to connect to the ESMD. This field also can stay empty.

Additionally you can configure surveillance of the connection to UDP clients, display resolution and demo mode.

## Surveillance of the connection

The surveillance of the connection to the ESMD with periodic ping can be configured with the command line argument -p x with x can be a number from 0 to 20.

- p 0** switches the periodic ping off (same as the SCPI command SYST:COMM:LAN:PING OFF )  
This may be necessary in network configurations if periodic ping is unwanted or not possible.
- p 1** is the default setting of the ESMD and switches the period of the ping to 1 second (same as the SCPI command SYST:COMM:LAN:PING:PER 1)
- p 20** switches the period of the ping to 20 seconds (same as the SCPI command SYST:COMM:LAN:PING:PER 20) Slow ping period may be necessary for slow networks or to reduce network traffic.

## Display Resolution

Select the resolution of the ESMD GUI. The default setting is 1024 x 768.

- g 800x600** configures the resolution of the display to 800x600 pixels.

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## Demo Mode

**-d** configures the ESMD GUI to run the DF application in a simulation mode. This is convenient if you want to see the DF application even if the ESMD is not equipped with the software option DF. This command line parameter may also be used for an internal GUI.

## Preset

This command line parameter may also be used for an internal GUI. It enables loading of particular configurations at GUI start up. The configurations "Preset 1" to "Preset 4" must be prepared on the GUI. With the GUI functions FILE Import and Export the "profile1.xml" to "profile4.xml" and the "startup.xml" can be transferred from one to another GUI.

|                    |  |
|--------------------|--|
| <b>-c default</b>  | loading of the Default configuration; all GUI and receiver parameters are set to default |
| <b>-c profile1</b> | loading of Preset 1 configuration  |
| <b>-c profile2</b> | loading of Preset 2 configuration  |
| <b>-c profile3</b> | loading of Preset 3 configuration  |
| <b>-c profile4</b> | loading of Preset 4 configuration  |
| <b>-c startup</b>  | loading of the normal start up configuration   |

## Mass Data Output via TCP

The device can output the mass data streams via UDP or via TCP. Default is UDP. See also chapter 6 Mass Data Output of the ESMD / DDF255 manual.

**-t** all mass data outputs are transferred via TCP