

Format Specification for Generic Amplifier Files

Generic amplifier configuration files are used to configure the EMC32 amplifier driver in order to enable it to remotely control an amplifier via its IEEE bus interface for which no dedicated driver exists.

An example file DemoAmpl.DeviceConfiguration is available from the EMC32 installation CD-ROM.

Please refer to it or to the listing below for further clarification of the format specifications.

[Listing of DemoAmpl.DeviceConfiguration](#)

[FileInfo]

Autor=Rohde&Schwarz

Version=1.00

MeasClass=0

Start=0.0

Stop=0.0

Description=GenericAmplifierExample

[General]

;Indicates that this file is for GenericAmplifier Driver

;ATTENTION ! Do not modify the next line !!

Driver=GenericAmplifier

;

;From here on lines may be modified

;

DeviceVersion=1.5

Miscellaneous=This is an example

[IEEEBus]

;1=CR 2=NL 3=CR+NL

TerminationCharacter=2

[Off]

;Switch main power supply off

;Command is optional

Command=POW:OFF

;Time to wait after sending the command (range: 0 - 10 seconds)

WaitTime=0.5

[On]

;Switch main power supply on

;Command is optional

Command=POW:ON

;Time to wait after sending the command (range: 0 - 10 seconds)

WaitTime=1.0

[Standby]

;Switch high voltage off

;Command is MANDATORY

Command=AMP:STBY

;Time to wait after sending the command (range: 0 - 10 seconds)

WaitTime=0.5

[Operate]

;Switch high voltage on

;Command is MANDATORY

Command=AMP:OPER

;Time to wait after sending the command (range: 0 - 10 seconds)

WaitTime=1.0

[Reset]

;Reset after a fault

;Command is optional

Command=*RST

;Time to wait after sending the command (range: 0 - 10 seconds)

WaitTime=2.0

[GetStatus]

;Query for the amplifier state

;Query is optional

Command=STATE?

;If a command is defined, answer strings may be defined to relate to amplifier states

;Any answer string not defined here will be interpreted as fault condition

Off=AMP_OFF

On=AMP_ON

Standby=HV_OFF

Operate=HV_ON