

RELEASEnotes

CMD – Digital Charge Amplifier series

Thank you for choosing HBM's digital charge amplifiers series CMD and the related software CMD - Assistant.

Your feedback is important for HBM. If you encounter any problems or suggestions to improve the CMD, please let us know.

To update CMD-firmware up to version up to Version 3.51 the old FW-Update-Tool for this type of firmware. With Firmware Version 3.60 and higher please use the new Firmware-Updater. A mismatch will not work!

You can contact our team of support engineers directly at <http://www.hbm.com/support>

Please always use the latest firmware version, available on HBM.com's download section: <http://www.hbm.com/en/menu/support/software-firmware-downloads/industrial-amplifiers/>

Version Overview

Prodname: CMD /

New:

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Version: 3.74

Bug-Fixes:

- LP-filter settings corrected for CMD600 and CMD2000
- Timing corrected for the "Adaptive Reset Signal"
- Read-command for CMD hardware-version corrected

Date: 07.03.2016

Prodname: CMD /

New:

- Support of both amplifier types: CMD2000 and CMD600 with 14 Bit hardware V3.5 and 12 Bit hardware V3.4

Version: 3.69

Bug-Fixes:

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Date: 26.05.2015

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Prodname: CMD /

New:

- Implementation of CMD2000
 - same firmware now for CMD600 and CMD2000

Version: 3.67

Bug-Fixes:

Date: 01.07.2014

- Connection timeout:
 - greatest value: connection_timeout = 524286,
 - every 30s without communication is "<UNIAmp 1.0>" sent

Prodname: CMD /

New:

- Implementation of "Adaptive Reset Signal":
 - An adaptive reset (for the measuring range 2:> 6000pC)
 - Output voltage> 2V, reset time 80ms
 - Output voltage 1-2V, reset time 60ms
 - Output voltage> 0.1-1V, reset time 40ms
 - Output voltage> 0.1V 50mV, reset time 20ms
 - Output voltage> 0-50mV, reset time 13ms
 - For the measurement range 1 <6000pC the reset time is ~ 3ms

Version: 3.62

Date: 13.12.2013

Bug-Fixes:

- Permanent UDP-steaming after power off/on repaired.

Prodname: CMD /

New:

- **First firmware with new Boot-Loader to usage for the NEW Firmware-Updater**

Version: 3.60

Bug-Fixes:

Date: 08.08.2013

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Prodname: CMD /

New:

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Version: 3.51

Date: 24.06.2013

Bug-Fixes:

- Connection-losses in UDP-steaming repaired.
- Inversion of reset/operate logic after power-on corrected.
- Filter-settings after parameterset-switching corrected.

Prodname: CMD /

New:

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Version: 3.46

Date: 25.09.2012

Bug-Fixes:

- DHCP mode, for automatic reception of IP-address in an DHCP network, repaired.

Prodname: CMD /

New:

- **Attention: Starting with assistant-version 1.2.4.0 only CMD with firmware 3.0 and higher can be used. Devices with firmware 2.9 and lower are shown in the device-scan but marked red with a note for firmware-update. Please do also a firmware-update for those devices, for features see release-notes.**
- Implementation of 2 parameter-sets, switchabel via digital input or with the command "PAR_PACKET_SWITCH"_. (System parameters are nor switchable, e.g IP-address,..), reset/operate is done automatically if the range 6000pC is over- or untercrossing.
- Extension of the sum-command "CH_Status_Extended" with the information of the actual parameter-set-no.
- Digital input 1 can be used for PS-switching.
- Digital output 2 can be configured to indicate if the PS-switching procedure is in progress.
- PS-switching during the "SensorTeach" is

Version: 3.15

Date: 26.08.2011

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- permitted.
- New command "Reset_Polarity" to invert the reset logic.
- New function for "automatical stream UDP values at power up" with command DATA_STREAM_ENABLED=2
- Adjustable connection timeout (0 to 524287 sec.) for disconnecting the telnet-session after the host has lost connection to the CMD600
- CMD600 identification with a flash-function on the device-LED

Bug-Fixes:

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Prodname: CMD /

New:

- ADC offset correction for measuring values via Ethernet is switched on with factory settings.

Version: 2.6

Bug-Fixes:

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Date: 16.10.2010

Prodname: CMD /

New:

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Version: 2.4

Bug-Fixes:

- ADC offset correction for measuring values via Ethernet (switched off in factory settings);
- switch this correction on with telnet command: par_set 53,0
- switch this correction off with telnet command: par_set 53,1

Date: 27.09.2010

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*** The first Firmware Release for the CMD charge amplifier was version 2.3 ***

Please always use the latest firmware and software version, available on HBM.com's download section: → Support → Software / Firmware Downloads → Industrial amplifier

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