

## HDC100 SOFTWARE RELEASE HISTORY

### General

Minimum recommended software version: 2.12

Software update methods:

- **Remote update:** CATVisor Commander 2.9 or later, or SmartLoader, Ethernet connection to HDC100. Typical update time 20 minutes.
- **Local update (not recommended):** CATVisor Commander 2.9 or later, 19200 bps HDO/DVX bus connection through HDO rack with HDX021 or DVX021 cable. Not recommended due to long update time. Typical update time several hours.

## LATEST VERSION

**Version 2.82, released 6.11.2023 – Minor SNMP proxy bug fix**

### Compatibility

Compatible with HDC100 hardware version B and above.

Field upgradeable to software version 1.0 and above.

All viewer files are included in DUS100 viewer package version 5.31 and above.

### Fixes

- Fixed: SNMP proxy: SNMP object sysDescr.0 and sysObjectID.0 of HDO bus devices were missing.

## OLDER VERSIONS

### Version 2.81, released 18.11.2019 – Enhancement

#### Compatibility

Compatible with HDC100 hardware version B and above.

Field upgradeable to software version 1.0 and above.

#### Fixes

- Internal security enhancements. (Shout 37696)

### Version 2.80, released 19.9.2018 – Manufacturability improvement

#### Compatibility

Compatible with HDC100 hardware version B and above.

Field upgradeable to software version 1.0 and above.

#### Fixes

- Internal changes not visible to end-user.

### Version 2.79, released 5.9.2018 – Major and minor bug fixes

#### Compatibility

Compatible with HDC100 hardware version B and above.

Field upgradeable to software version 1.0 and above.

#### New features

- **SNMP proxy**: Multiple minor fixes in module support. Added support for new HDO modules. List of supported modules (with newly added in bold): HDO101, HDO103, HDO151, HDO202, HDO202 LP, HDO203, HDO204, HDO205, HDO206, HDO212, HDO272, HDO302, HDO371, HDO378, HDO421, HDO610, HDO611, HDO613, HDO751, HDO752, HDO754, HDO757, HDO758, HDO759, **HDO761**, HDO771, HDO772, HDO773, HDO774, HDO775, HDO776, **HDO777**, HDO802, HDO803, HDO902, HDO903, HDO904, HDO905, HDO906, HDO907, HDO908, HDO921, **HDO961**, **HDP120**, HDP230 and HDP301.  
(Shout 33730, 34289, 34453, 34679, 34742, 34853, 35135, 35141, 35178, 35179, 35180, 35189, 35211, 35227, 35243, 35244, 35466, 35487)

#### Fixes

- Fixed: HDO100 without SNMP product key installed and running software version 2.53 or 2.57 can occasionally stop responding to TSEMP messages. Hardware reset restores normal operation. This appears to the user so that viewer and monitoring do not work for the HDC100 itself, but still work OK for the HDO units connected to it. (Shout 34130, 34943, 35116)
- Fixed: SNMP proxy: HDC100 does not always reply correctly to SNMP requests coming from IP address which does not belong to HDC100's subnet. (Shout 31765)
- Fixed: SNMP proxy: SNMP walk for devices under HDC100 occasionally stops and HDC100 stops responding to SNMP traffic. (Shout 33697)

- Internal changes not visible to end-user. (Shout 35232, 35233, 35263, 35376, 35525)

**Version 2.57, released 2.6.2017 – Minor bug fixes****Compatibility**

Compatible with HDC100 hardware version B and above.

Field upgradeable to software version 1.0 and above.

**Fixes**

- Fixed: Bus collisions can in some cases cause HDC100 to give false “Other master on HDO bus” alarm. (Shout 30798, 31260, 31688)
- Fixed: HDC100 alarm log uses UTC time instead of local time. (Shout 31239)
- SNMP: Multiple fixes for HDO203, HDO204, HDO613, HDO754, HDO774, HDO776, HDO803, HDO907 and HDO908 SNMP support. (Shout 26893, 27075, 27335, 29794, 30769, 31119, 31231, 31410, 31684, 31689, 31774, 31873, 32677)
- SNMP: Fixes for HDC100 bus mastering traps. (Shout 26148, 31904)
- SNMP: Added support for TELESTE-FUNCTIONAL-FUNCTIONS-MIB and related “Functions running/failed” traps. (Shout 30726, 31091)
- Fixed: WebUI: HDO devices connected to HDC100 are not visible in HDC100 WebUI with software version 2.53. (Shout 31764)
- Fixed: Functions: False “Functions failed” or “Functions running” alarms may appear. (Shout 30778, 30941, 31429)
- Fixed: Functions: “Settings changed” alarm is always on when functions are running. (Shout 30725)
- Internal changes not visible to user. (Shout 26255, 30822, 31206)

**Version 2.53, released 4.11.2016 – Enhancements and bug fixes****Compatibility**

Compatible with HDC100 hardware version B and above. Hardware version A is not supported and should be sent to service for updating.

Field upgradeable to software version 1.0 and above. Software versions below 1.0 need to be sent to service for updating.

**New features**

- **SNMP proxy:** Multiple minor fixes in module support. Added support for new HDO modules. List of supported modules (with newly added in bold): HDO101, HDO103, HDO151, HDO202, HDO202 LP, HDO203, HDO204, HDO205, HDO206, **HDO212**, HDO272, HDO302, HDO371, HDO378, HDO421, HDO610, HDO611, HDO613, HDO751, HDO752, HDO754, HDO757, HDO758, HDO759, HDO771, HDO772, HDO773, HDO774, HDO775, HDO776, HDO802, HDO803, HDO902, HDO903, HDO904, HDO905, HDO906, HDO907, HDO908, HDO921, HDP230 and HDP301.

(Shout 17358, 26187, 26530, 26605, 27328, 27031, 27682, 27443, 29758, 28789, 30024, 25762, 28638, 25916, 26201, 26535, 29917)

- Added support for “DBM100 style” **HDC100 functions**, which are user editable “macro programming language”. They need to be enabled with a separately purchased product key. HDC100 functions can be used for various automation tasks within a HDO system or even remotely. For example, an HDO103 RF switch can be controlled based on the optical signal presence of two HDO20x optical receivers. (Shout 27205)
- Added two **alarm output pins** to general purpose I/O port in HDC100 backpanel. The D-9 connector pin 6 is grounded if the HDC100 + all modules under it have no major or minor alarms. If there are alarm(s), the pin floats. The D-9 connector pin 8 is identical to pin 6, expect that it reacts only to major alarms. Pin 6 & 8 specs: 1 M $\Omega$  pullup to +24V, voltage range 0...30 V, max pulldown current 50 mA.(Shout 26835)
- Added **alarm for added/missing/changed modules**. The existing “No HFC bus devices found” alarm can now be reconfigured by the user so that it is activated when a change in HDO bus devices’ serial numbers is detected. Default operation is as previously, i.e. alarm is set when there are no devices on the bus. (Shout 26846)
- Installed product keys are visible on “Properties” viewer page. (Shout 27320)

### Fixes

- Improved HDO bus functionality. (Shout 30090)
- Fixed: SNMP: HDO206 “Application started” trap doesn’t work. (Shout 25719)
- Fixed: SNMP: HDC100 sends multiple “Settings changed” and “No HDO bus devices found” traps. (Shout 26146, 26151)
- Fixed: SNMP: Analog properties enable value is not shown correctly. (Shout 26185)
- Fixed: SNMP: Discrete property severities cannot be changed using SNMP. (Shout 30102)
- Fixed: SNMP: “IP address conflict” trap is not sent. (Shout 26156)
- Fixed: Changing SNMP and NTP settings do not activate “Settings changed” alarm. (Shout 26269)
- Internal changes not visible to user. (Shout 27317, 27852, 30887)

## Version 2.12, released 30.12.2014 – Enhancements and bug fixes

### Compatibility

Compatible with HDC100 hardware version B and above. Hardware version A is not supported and should be sent to service for updating.

Field upgradeable to software version 1.0 and above. Software versions below 1.0 need to be sent to service for updating.

### New features

- SNMP proxy: Added support for several new HDO modules. Improved old HDO module support. List of supported modules (with newly added in bold): HDO101, **HDO103**, **HDO151**, HDO202, HDO202 LP, HDO203, **HDO204**,

HDO205, **HDO206**, **HDO272**, HDO302, HDO371, **HDO378**, HDO421, HDO610, HDO611, **HDO613**, **HDO75x**, HDO771, **HDO772**, **HDO773**, **HDO774**, **HDO775**, **HDO776**, HDO802, **HDO803**, HDO902, HDO903, HDO904, HDO905, HDO906, **HDO907**, **HDO908**, **HDO921**, HDP230 and HDP301. (Shout 17358)

- Added support for "Notes" field. (Shout 17988)
- Added support for proper handling of PING query to HDO bus devices. (Shout 21165)

### Fixes

- Fixed: IP address change requires reboot to take effect. (Shout 22858)
- SNMP proxy: Fixed HDO20x ALC related traps. (Shout 25046, 25679)
- SNMP proxy: Fixed HDO203 node monitoring alarms. (Shout 12732)
- SNMP proxy: Fixed: Traps are sent for analog parameter value changes even if its alarm status does not change. (Shout 25622, 25815)
- SNMP proxy: Fixed HDO101/151 "Backup activated" trap value. (Shout 25037, 25571)
- SNMP proxy: Fixed HDO101 RF level scaling. (Shout 25145)
- SNMP proxy: Fixed SNMP walk error with HDO units equipped with tuner. (Shout 25610)
- SNMP proxy: Fixed "Tuner module error" and ALSC traps. (Shout 13669, 25139)
- WebUI updates. (Shout 25641, 25643)
- HDO bus handling related improvements. (Shout 22472, 22840, 25183, 25653)
- Internal changes not visible to user. (Shout 19613, 22612, 22809, 25041, 25403, 25717)

## Version 2.7, released 1.11.2013 – Enhancements and bug fixes

### Compatibility

Compatible with HDC100 hardware version B and above. Hardware version A is not supported and should be sent to service for updating.

Field upgradeable to software version 1.0 and above. Software versions below 1.0 need to be sent to service for updating.

### Fixes

- Fixed: Some units are occasionally unable to read the rack & slot position, causing the unit to stop HDO bus communication and raise "Other master on HDO bus" alarm. (Shout 22402)
- Fixed: HDC100 is not able to communicate on HDO bus as a slave when it is inserted in rack 0 slot 1.
- Fixed: HDO bus statistics counters count only non-MAC packets and timeouted packets are calculated as "Bad" packets.
- Internal changes not visible to user. (Shout 17371, 22415)

**Version 2.4, released 13.1.2011 – Enhancements****Changes**

- SNMP proxy: Added support for several new HDO modules. List of supported modules is now: HDO101, HDO202, HDO202 LP, HDO203, HDO205, HDO302, HDO371, HDO421, HDO610, HDO611, HDO771, HDO802, HDO902, HDO903, HDO904, HDO905, HDO906, HDP230 and HDP301.
- Enhanced NTP client functionality.
- Several minor internal improvements.

**Version 1.4, released 3.3.2010 – Enhancement****Changes**

- Added possibility to change ethernet port IP address, netmask and gateway via WebUI. Device needs to be reset after the change.

**Version 1.2, released 26.6.2008 – Enhancements and fixes****Changes**

- SNMP proxy fixes and enhancements
- HDO bus handling and mastering fixes and enhancements
- Web user interface fixes and enhancements
- Changed SNMP proxy to be enabled with product key
- Added NTP (Network Time Protocol) client
- Internal enhancements not visible to the user (CATER update etc)

**Version 1.0, released 1.2.2007 – Enhancements****Changes**

- Enhanced overall gateway performance and functionality especially with large number of slave modules.
- Added SNMP proxy functionality.
- Added WebUI (web browser user interface) for HDC100 only, no proxy.

**Versions below 1.0**

Old HDC100 units with hardware version A and/or equipped with software versions below 1.0 need flash memory update before software can be updated.

Please contact Teleste support.