

AC8710 SOFTWARE RELEASE HISTORY

General

Minimum recommended software version: 4.3.0 (4.7.2 with AC6992/AC6981)

Software update methods:

- **Local update:** CATVisor Commander 2.9 or later, service port connection with USB cable. Typical update time 1 min.
File: *AC8710_appl_x.x.x.srec*
- **CATVisor mode remote update:** Unicast update with CATVisor Commander or SmartLoader or broadcast update with SmartLoader. Typical unicast update time 5 min.
File: *AC8710_appl_x.x.x.srec*
- **HMS mode remote update:** With SCTE-HMS-DOWNLOAD-MIB (SCTE 38-8 2002 / HMS063) compatible download tool. Typical update time 5 min.
File: *AC8710_appl_x.x.x_HMS-download.srec*
- **DOCSIS mode remote update:** Unicast update with CATVisor Commander or SmartLoader, or with SCTE-HMS-DOWNLOAD-MIB compatible download tool. Typical update time 1 min.

NOTE! A special two-step procedure is required when updating from software version <4.5.4 to version >4.5.4: The unit must be first updated to version 4.5.4 and only after that to the final version. This is needed because only version 4.5.4 is able to make the BIOS update which is required to support later versions. Direct software update from version <4.5.4 to version >4.5.4 is not possible.

LATEST VERSION

Version 4.10.1, released 1.3.2019 – Enhancements and minor bug fixes

Compatibility

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6981, AC6983, AC6991 and AC6992 transponders.

All required viewer files are included in DUS100 package version 5.14 or later.

NOTE! When updating from software version <4.5.4 to version >4.5.4: The unit must be first updated to version 4.5.4 and only after that to the final version.

New features

- Added new options for automatic ingress blocking: “Turn off during ingress alarm” and “Attenuate during ingress warning, turn off during ingress alarm”. (Shout 36440)
- Changed pilot, spectrum and ingress detector type parameters to allow more detector types in the future. This requires no user action when software is updated from <4.10.1 to ≥4.10.1 for the first time. But if software is later updated from ≥4.10.1 to <4.10.1 or again from <4.10.1 to ≥4.10.1, the detector types will be wrong and must be manually corrected after software update. (Shout 35808, 35706)

Fixes

- Internal changes not visible to end-user. (Shout 27897, 31331, 35860, 35909)

OLDER VERSIONS

Version 4.8.14, released 17.9.2018 – AC6983 support, enhancements and minor bug fixes

Compatibility

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6981, AC6983, AC6991 and AC6992 transponders.

NOTE! When updating from software version <4.5.4 to version >4.5.4: The unit must be first updated to version 4.5.4 and only after that to the final version.

New features

- Added support for AC6983 transponder.
- Added support for SNMPv2c GETBULK operation with AC6991 / AC6992 transponder. (Shout 34414)

Fixes

- Improved AC6981 and AC6992 transponder forward path level measurement accuracy at higher frequencies. (Shout 35490, 35597, 35559)
- Fixed: AC6992 does not remember the last used communication frequency, but instead starts scanning from the start after modem reset. (Shout 34219)
- Fixed: AC6980/AC6981: DOCSIS modem transmit level shown on “Transponder” page is 1 dB too low. (Shout 33670)
- Fixed: AC6991/AC6992: Setting netmask with SmartLoader does not work until reboot. (Shout 33518)
- Internal changes not visible to end-user. (Shout 32910, 33210, 33231, 33255, 33298, 33339, 33466, 33625, 33629, 33635, 33650, 33696, 33711, 33729, 33733, 33736, 33859, 33930, 34158, 34164, 34169, 34178, 34180, 34181, 34187, 34199, 34215, 34241, 34293, 34469, 34795, 35177, 35261, 35467, 35471, 35495, 35508, 35531, 35542, 35590)

Version 4.7.10, released 31.8.2017 – Minor bug fixes

Compatibility

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6981, AC6991 and AC6992 transponders.

NOTE! When updating from software version <4.5.4 to version >4.5.4: The unit must be first updated to version 4.5.4 and only after that to the final version.

Fixes

- Fixed: Pilot based automatic alignment can occasionally end with incorrect gain/slope values, typically 20% of low and high pilot level difference. ALC will fix gain error but slope error persists. (Shout 33047, 33165)
- Fixed: When pilots are missing, pilot based automatic alignment does not always end with “Pilot(s) missing” status but sometimes tries to adjust and ends with e.g. “Slope out of range” status. (Shout 31784)
- Fixed: Problems updating AC6980, AC6981 or AC6992 software via remote HMS connection. (Shout 29478, 31007, 31836, 31976, 32616)

- Fixed: SNMP: Lid status shown wrong in SNMP alarm log. (Shout 32645)
- Internal changes not visible to end-user. (Shout 29356, 30372, 30411, 31065, 31550, 31974, 32905, 32942, 33016, 33143)

Version 4.7.2, released 4.5.2017 – AC6981 support and minor bug fixes**Compatibility**

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6981, AC6991 and AC6992 transponders.

NOTE! When updating from software version <4.5.4 to version >4.5.4: The unit must be first updated to version 4.5.4 and only after that to the final version.

New features

- Added support for AC6981 transponder. (Shout 31578)
- Changed forward path pilot based automatic alignment to return to OLC mode instead of previous mode when automatic alignment stops due to an error. (Shout 31799, 31908)

Fixes

- Fixed: Transponder settings cannot be edited when AC6992 transponder is installed and the node is powered from USB only. (Shout 31787)
- Fixed: Editing AC6992 transponder related settings can in some rare cases cause software reset. (Shout 31786)
- Fixed: Software reset causes short glitch to appear in forward path output. (Shout 31473)
- Internal changes not visible to end-user. (Shout 29739, 31496, 31533, 31613, 31849, 31901)

Version 4.5.4, released 7.3.2017 – BIOS update and minor bug fixes**Compatibility**

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6991 and AC6992 transponders.

NOTE! When updating to version 4.5.4, AC8710 updates the BIOS when the software starts for the first time. Please make sure that AC8710 powering is not removed during the ~10 s time between “Update complete” message and the new software version appearing on “Properties” page. Failure to obey this may cause the unit to fail permanently and require a repair by Teleste service.

New features

- Updates AC8710 BIOS software to version 1.0.7 which makes it possible to update AC8710 software to later versions. (Shout 30713, 30981)

Fixes

- Fixed: AC6992 ingress measurement results are ~6 dB too low when using “digital” detector. (Shout 30967)

- Fixed: Automatic alignment “Set reserve pilot target levels to measured levels” may be incorrect and not stored to non-volatile memory. (Shout 30915, 31167)
- Fixed: Installing AC6992 to a powered AC8710 may cause slow remote communication. (Shout 30162, 30438)
- Fixed: Writing interstage slope 2 value with older AC8710 SettingsSaver version can cause interstage slope 2 range to be incorrect. (Shout 30403)
- Fixed: SNMP: Incorrect “Lid closed” in discrete property table. (Shout 30843)
- Fixed: Changing analog alarm limits can cause the limits to appear corrupted. Re-opening the alarm settings dialog fixes the problem. (Shout 30849)
- Fixed: Alarm log entry timestamps can be incorrect if AC6980 transponder is installed or removed. (Shout 30856)
- Fixed: “Settings changed”, “Lid open”, “Application started” and “Service terminal connected” alarms are active 30 s instead of 1 min. (Shout 30873)
- Fixed: Transponder “Tx level at return path input” value is calculated incorrectly. (Shout 30878)
- Fixed: Pilot based automatic alignment does not start if low pilot target level is higher than high main pilot target level. (Shout 31042)
- Fixed: Optical transmitter pilot settings may be corrupted in some units. As a safety measure, the pilot is disabled after software update. (Shout 31136)
- Internal changes not visible to end-user. (Shout 30591, 30824, 30931, 30961, 31059, 31086, 31308, 31473)

Limitations

- This software version does not support transponder software update.

Version 4.3.11, released 12.9.2016 – Minor bug fixes**Compatibility**

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6991 and AC6992 transponders.

Fixes

- Fixed: When changing modem communication protocol CATVisor ⇔ HMS with AC6992 transponder, modem settings go to 0. (Shout 30501)
- Fixed: Remote connection might be occasionally very slow with AC6992 transponder. (Shout 30414, 30438)

Version 4.3.0, released 26.8.2016 – AC6992 support**Compatibility**

Compatible with all AC8710 hardware versions.

Compatible with AC6980, AC6991 and AC6992 transponders.

New features

- Added support for AC6992 transponder
- Added support for AC6980 hardware version E. (Shout 28791)

Version 4.0.21, released 10.8.2016 – Major bug quickfix**Compatibility**

Compatible with all AC8710 hardware versions.

Compatible with AC6980 and AC6991 transponders.

Fixes

- Fixed: When OLC is enabled, it can occasionally make unnecessary level adjustments. These can cause short TV signal interruptions. This is more likely to occur when optical input power is low. (Shout 30195, 30207)
- Fixed: Installing AC6980 may cause software reset. (Shout 28766)
- Fixed: Older alarm log timestamps change to wrong values after AC6980 is connected to CMTS. (Shout 29550).
- Fixed: Transponder software version is shown even after transponder has been removed. (Shout 28700)
- Improved gain and slope adjustment usability. (Shout 29637)

Version 4.0.5, released 17.12.2015 – First customer release**Compatibility**

Compatible with all AC8710 hardware versions.

Compatible with AC6980 and AC6991 transponders.