

1ST GEN AC8810 SOFTWARE RELEASE HISTORY

General

This document is about **1st gen** AC8810 software.

AC8810 has 2 hardware generations which require different software versions due to hardware differences:

- 1st gen AC8810, manufactured until Q2/2021, software version 4.x.x
- 2nd gen AC8810, manufactured from Q1/2021, software version 6.x.x

1st gen AC8810 does not accept 2nd gen AC8810 software, and vice versa.

Minimum recommended 1st gen AC8810 software version: 4.7.10

Software update methods:

- **Local update:** CATVisor Commander 2.9 or later, service port connection with USB cable. Typical update time 1 min.
File: *AC8810-gen1_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: *AC8810-gen1_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: *AC8810-gen1_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.

LATEST VERSION

Version 4.11.70, released 17.5.2021 – Enhancement

Compatibility

Compatible only with 1st gen AC8810 hardware.

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

All required viewer files are included in DUS100 package version 5.23 or later.

Enhancements

- Fine-tuned transponder forward path measurement accuracy. (Shout 41669)

OLDER VERSIONS

Version 4.11.7, released 12.10.2020 – Enhancements and minor bug fixes

Compatibility

Compatible only with 1st gen AC8810 hardware.

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

Fixes

- Fixed: OMI testpoint switches between optical transmitters also if only one transmitter is installed. (Shout 39999)
- Fixed: Using SNMP community strings longer than 15 characters with remote SNMP communication does not work and may cause a memory leak which eventually causes a reboot. (Shout 38170, 39117)
- Fixed: AC699x transponder in HMS mode: Remote IP address setting via HMTS does not work if IP address last octet is >223. (Shout 39282, 39284)
- Fixed: ALSC led blinks in green instead of yellow after automatic alignment if forward path cannot be adjusted properly but return path is adjusted OK. (Shout 39781)
- Internal changes not visible to end-user. (Shout 37964, 38169, 38348, 38528, 38646, 38647, 38709, 38801, 38840, 38858, 39324, 39370, 39472, 39546)

Version 4.11.3, released 19.11.2019 – Enhancements and minor bug fixes

Compatibility

Compatible only with 1st gen AC8810 hardware.

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

New features

- If forward path pilot based automatic alignment fails due to insufficient gain/slope adjustment range, it now does a “best effort” adjustment instead of returning to original values. This is indicated with ALSC led blinking yellow if the adjustment was started with the transponder button. (Shout 38134)

Fixes

- Fixed: Forward path pilot based alignment stops with “Gain out of range” error if the optical input power is between -9...-8 dBm. (Shout 38133)
- Fixed: Return path backup does not work if the forward path receiver optical power high major alarm limit is below low major alarm limit. (Shout 38162)
- Fixed: Optical receiver 2 input power alarms can appear if optical receiver 2 product key is not set and routing mode is not “Automatic”. (Shout 37202)
- Fixed: “Settings changed” alarm stays on when AC6983 transponder is used with IPv6 address. (Shout 37712)
- Improved AC698x DOCSIS transponder watchdog. (Shout 37661, 37731, 37749, 37750)
- Internal changes not visible to end-user. (Shout 36595, 36649, 36912, 36981, 37015, 37024, 37211, 37213, 37258, 37269, 37288, 37335, 37377, 37475, 37480, 37639, 37723, 37908, 37921, 37939, 38142, 38176)

Version 4.10.1, released 1.3.2019 – Enhancements and minor bug fixes**Compatibility**

Compatible only with 1st gen AC8810 hardware.

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

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 35810, 35706)
- Removed “max hold” of 5 sweeps from ingress measurement digital detector to get faster reaction time. Analog detector still has “max hold” of 5 sweeps. (Shout 30135)

Fixes

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

Version 4.8.13, released 14.9.2018 – Local UI update, AC6983 support and minor bug fixes**Compatibility**

Compatible only with 1st gen AC8810 hardware.

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

New features

- Added support for AC6983 transponder.
- Added ingress switch 1 and 2 control to local UI. (Shout 35177, 35531)
- 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, 35521, 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 33255, 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, 35261, 35467, 35471, 35495, 35508, 35542, 35590)

Version 4.7.12, released 3.10.2017 – Minor bug fix**Compatibility**

Compatible only with 1st gen AC8810 hardware.

Compatible with AC6980, AC6981, AC6991 and AC6992 transponders.

Fixes

- Fixed: The unit can enter boot loop in some rare cases when local UI display is turned on by user or after reset. (Shout 33298)
- Internal changes not visible to end-user. (Shout 32910, 33210, 33231)

Version 4.7.10, released 5.9.2017 – Minor bug fixes**Compatibility**

Compatible only with 1st gen AC8810 hardware.

Compatible with AC6980, AC6981, AC6991 and AC6992 transponders.

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 remains. (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)
- Fixed: Settings changed alarm is active 1 min after reset. (Shout 32661)
- Internal changes not visible to end-user. (Shout 29356, 30372, 30411, 31041, 31065, 31550, 31974, 32905, 32942, 33016, 33143, 32642, 32901, 32737, 33209)

Version 4.7.3, released 15.5.2017 – AC6981 support and minor bug fixes**Compatibility**

Compatible only with 1st gen AC8810 hardware.

Compatible with AC6980, AC6981, AC6991 and AC6992 transponders.

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)
- SNMP: Changed backup status OID from acxActiveOpticalInput to acxBackupStatus. (Shout 31547)
- Internal changes not visible to end-user. (Shout 29739, 30981, 31496, 31533, 31613, 31818, 31849, 31901)

Version 4.4.5, released 19.1.2017 – First customer release**Compatibility**

Compatible only with 1st gen AC8810 hardware.

Compatible with AC6980, AC6991 and AC6992 transponders.