

You can update your card by downloading the new Update software by going to the **Support>Firmware** link at [www.cobaltdigital.com](http://www.cobaltdigital.com). Download "Firmware Update Guide", which provides simple instructions for downloading the latest firmware for your card onto your computer, and then uploading it to your card through DashBoard™.

**Software updates are field-installed without any need to remove the card from its frame.** The table below lists released software versions and describes the corresponding functions additions, improvements and/or corrections.

Software Version (Date)	Description
2.077 (12/10/2018 – present) All 9932-EMDE / BBG-1032-EMDE models	<p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>Adds new preset functionality including new controls for deleting all presets on a card and managing how preset uploads get processed.</li> <li>Extends max EAS crawl length from 256 to 2048 characters.</li> <li>Increases per-channel audio delay from 800ms to 1500ms.</li> <li>WebUI improvements.</li> <li>Trouble Slate and Logo Insertion tabs now display the name of each graphic. The name of each graphic is also displayed in the Event Setup tab under the Event Action column. (This functionality requires uploading graphic files into bin files using the latest posted web conversion tool at <a href="http://a.cdi-eng.com:55080/cgi-bin/image_upload.py">http://a.cdi-eng.com:55080/cgi-bin/image_upload.py</a>) Full compatibility is maintained meaning older graphics bin files will work with new firmware and new graphics BIN files with the name encoded will work with older firmware versions.</li> </ul>
2.052 (7/3/2018 – present) All 9932-EMDE / BBG-1032-EMDE models	<p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>Various stability improvements.</li> <li>New WebUI which exposes all user controls</li> <li>Improvement allows multiple SCTE104 insertions on same frame</li> <li>Reduction in openGear frame traffic for reporting card parameter updates.</li> </ul> <p><b>Corrections:</b></p> <ul style="list-style-type: none"> <li>Corrects mis-calibration of DashBoard audio level meters (bars). Full red = 0dBFS; Red/yel point = -10 dBFS; Yel/green point = -20 dBFS.</li> </ul>
2.031 (1/4/2018 – 7/3/2018) All 9932-EMDE / BBG-1032-EMDE models	<p><b>Additions:</b></p> <ul style="list-style-type: none"> <li>Adds audio output flex mixing, including output downmixers as flex mix sources.</li> <li>Allows user-selectable ST352 VPID insertion as regenerated (default mode) or pass-thru mode where ST352 VPID is passed untouched.</li> <li>(Option +TTS) Adds support for additional non-English language options.</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>Various stability improvements.</li> </ul> <p><b>Corrections:</b></p> <ul style="list-style-type: none"> <li>Addresses issue where non-PCM audio can spontaneously mute on outputs in rare cases of rapid input interruption/resumption.</li> <li>(Option +SCTE104) Corrects UI typo in the log on +SCTE104 insertion page.</li> <li>Corrects case where 23.98 frame formats would always be accepted regardless of how the input video filtering controls were set.</li> </ul>
1.251 (5/11/2017 – 1/4/2018) All 9932-EMDE / BBG-1032-EMDE models	<p><b>Corrections:</b></p> <ul style="list-style-type: none"> <li>Addresses a production compatibility issue.</li> <li>Fixes nuisance "modified" card state message when no changes were actually made.</li> <li>Fixes cases where card may not show in DashBoard when enabling Event-Based Loading</li> </ul>
1.235 (11/29/2016 – 5/11/2017) All 9932-EMDE / BBG-1032-EMDE models	<p><b>Additions:</b></p> <ul style="list-style-type: none"> <li>Adds <b>Alarms</b> DashBoard tab, which allows input video error conditions (missing, frozen, or black) to be propagated as a card general Warning (yellow) or Error (red) alarm. Maintains a log in DashBoard of all logged alarm activity, which can also be downloaded as Alarm.txt files. A Syslog IP function allows alarm propagation directly over IP (card must be fitted with Rear Module having a dedicated IP port or frame capable of per-card dedicated IP communications).</li> <li>Adds video input raster size/frame rate filtering which allows rejecting formats as being considered valid inputs which do not meet user-set parameters (for example, filtering set for 720p 5994 only will reject and consider as Disabled by User any raster size/frame rate not meeting this criteria).</li> </ul> <p><b>Note:</b> The added user interface controls in this firmware version will not display or function properly on older versions of DashBoard. Version 7.0.0 or newer is recommended.</p>

Software Version (Date)	Description
1.232 (11/10/2016 – 11/29/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Improvements:</b> <ul style="list-style-type: none"> <li>• Adds explicit controls to use frame network card or direct network connection for NTP source</li> <li>• (Option +TTS only) Creates SSH public keys directory. This is to assist using public key SSH auth for +TTS using SCP to copy playout files to card.</li> <li>• (Option +SCTE104-FAST only) Improvements to accuracy of +SCTE104-FAST insertion for out-of-time-order messages.</li> </ul>
1.231 (10/13/2016 – 11/10/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Corrections:</b> <ul style="list-style-type: none"> <li>• Fixes cases where GPI level-based triggering was used in conjunction with event actions, changes of level state may not always have been detected (resulting in the combined triggering not being executed).</li> <li>• (Option +SCTE104-FAST only) Fixes cases where a “0” would be inserted at the start of a UPID string in a SCTE104 <i>insert_segmentation_descriptor</i> operation, resulting in the last character of the UPID being dropped.</li> </ul> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• (Option SCTE104-FAST only) SCTE104 messages inserted via +SCTE104-FAST with an expired UTC timestamp are now immediately inserted (previously rejected since the insertion time was expired).</li> </ul>
1.226 (9/7/2016 – 10/13/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Additions:</b> <ul style="list-style-type: none"> <li>• Adds support for multicast IP de/insertion with IGMPv3 support and source filtering.</li> <li>• IP de/insertion using data-over-audio maintains IP packet structure.</li> <li>• IP de/insertion using data-over-audio capable of continuously de/inserting multiple packets per frame.</li> <li>• Adds general purpose “Event Timers” that can be used in conjunction with event-based actions.</li> <li>• (option +SCTE104) Adds support for SCTE104 messages as triggers for event actions.</li> <li>• (option +LOGO) +LOGO option can now be enabled/disabled using event actions.</li> <li>• Adds support for option +EAS.</li> </ul>
1.197 (5/16/2016 – 9/7/2016) All 9932-EMDE / BBG-1032-EMDE models	<ul style="list-style-type: none"> <li>• Factory internal maintenance release. Uploading this release is not required at this time.</li> </ul>
1.193 (3/23/2016 – 5/16/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Additions:</b> <ul style="list-style-type: none"> <li>• Adds Silence selection as a source choice for input audio channel selections.</li> </ul>
1.191 (3/17/2016 – 3/23/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Additions:</b> <ul style="list-style-type: none"> <li>• Adds SNMP support; adds button for SNMP MIB file download.</li> <li>• Adds button to clear SDI error count/OK time.</li> <li>• Adds silence as an output audio routing source.</li> <li>• (Option +T-SLATE) Allows support of option +T-SLATE. Option provides graphic file upload and manual/quality-event invoke of trouble slate raster insertions.</li> <li>• (Option +LOGO) Allows support of option +LOGO. Option provides graphic file upload and user-controlled insertion of logo “bug” onto active video.</li> </ul>
1.184 (1/18/2016 – 3/17/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Corrections:</b> <ul style="list-style-type: none"> <li>• Fixes case where some parameters were not properly displayed when using an OGCP-9000 Remote Control Panel.</li> <li>• AES and analog audio output controls now properly control sources using card/device downmixer and flex mixers (fixes known issue noted in version 1.179 below).</li> </ul> <b>Additions:</b> <ul style="list-style-type: none"> <li>• (Option +TTS) Allows support for Spanish characters and encoding when licensed with option +TTS and Spanish-language TTS option +2L-SPAN.</li> <li>• (Option +TTS) Additional XML parser options added.</li> </ul>
1.179 (12/16/2015 – 1/18/2016) All 9932-EMDE / BBG-1032-EMDE models	<b>Corrections:</b> <ul style="list-style-type: none"> <li>• Fixes a potential remote control (DashBoard, etc.) communications drop-out condition in long-term use under certain conditions.</li> </ul> <b>Known Issues:</b> <ul style="list-style-type: none"> <li>• When using AES or analog audio outputs sourced from audio output Downmix or Output Flex Mix sources, AES and/or analog output channel Gain, Mute, and Invert DashBoard controls may not be honored (control settings will have no effect on output). These outputs are fully usable, but will not be controllable by these controls. Parameters such as gain will remain at default null settings. (+TTS option) TTS routing and program ducking is not affected by this issue and will play out as set using the Text to Speech Audio Routing DashBoard controls. This issue exists for earlier releases also.</li> </ul>
1.178 (12/7/2015 – 12/16/2015) All 9932-EMDE / BBG-1032-EMDE models	<ul style="list-style-type: none"> <li>• This release is superseded by release 1.179. Use version 1.179.</li> </ul>
1.175 (11/24/2015 – 12/7/2015) All 9932-EMDE / BBG-1032-EMDE models	<ul style="list-style-type: none"> <li>• Initial release</li> </ul>