

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)	<i>SafeLink - Update Description</i>
<p><b>Rev 0.12</b> (06/09/2023 – present)</p>	<p>This release implements the following changes:</p> <ul style="list-style-type: none"> <li>• Fixed invalid SSRC field transmitted by RIST transmitter.</li> </ul>
<p>Rev 0.11 series (05/10/2023 – 06/09/23)</p>	<ul style="list-style-type: none"> <li>- Added zip utility for log distribution.</li> <li>- Fixed logs download failures for downloads with large number of log files.</li> <li>- Updated support for 864 Mbps streaming rates.</li> <li>- Added support to set reboot-persistent time automatically when system time is updated by user.</li> <li>- Added support to set reboot-persistent time automatically when system time is updated by NTP.</li> <li>- Changed compressed format of logs downloaded from Web UI to zip format.</li> <li>- Changed file name format of logs download to 'safelink-logs-&lt;date&gt;.zip'</li> <li>- Managed failure to upgrade supervisory interface configuration from 0.7-0.10 versions.</li> <li>- Prevents user from configuring same address on tunnel and Ethernet interfaces.</li> <li>- Displays (Stream) transmission bit rate statistics in Dashboard.</li> <li>- Added IP overriding support via USB storage.</li> <li>- Changed factory IP address to 192.168.1.30 (Rear lower Ethernet connector), 192.168.2.30 (rear upper Ethernet connector), 192.168.3.30 (frame Ethernet interface connector).</li> <li>- Added boot vfat file system to be included in future release firmwares.</li> <li>- Fixed reboot failure after update triggered it.</li> <li>- Prevents downgrades from 0.11 or newer releases to releases older than 0.11.</li> <li>- Fixed bit rate detection error for long-term streaming sessions (ex: 50 minutes streaming reception at 216 Mbps).</li> <li>- Improve compilation optimization level for non-debug executables.</li> <li>- Corrected default gateway IP route. This route is now only added to the default IP table.</li> <li>- Fixed pcr lock loss when receiving streams at bit rates higher than 140 Mbps.</li> <li>- Added gratuitous ARP transmission support.</li> <li>- Added configurable Web UI activation in supervisory interface.</li> <li>- Empty text is not legal now as master password override.</li> <li>- Added workaround for issue in which user cannot close Dashboard dialog window in file downloads.</li> <li>- Disabled SSH services if release is not in debug mode.</li> <li>- Suppressed inoperative exposed SNMP UI.</li> <li>- Added RIST Main profile support including the following features:             <ul style="list-style-type: none"> <li>* Network tunnel encapsulation (8 tunnel interfaces). Tunnel configurations/features include:                 <ul style="list-style-type: none"> <li>+ Tunnel interface IP address, tunnel interface subnet mask.</li> <li>+ Tunnel source interface IP address.</li> <li>+ Server or client mode.</li> <li>+ Server/client UDP port.</li> <li>+ IP source filtering support.</li> <li>+ Tunnel encryption (AES-128 or AES-256).</li> <li>+ Tunnel authentication (for RSA and ECDSA keys).</li> <li>+ Internal or user supplied credentials for tunnel authentication.</li> <li>+ Reduced IP/UDP overhead support.</li> <li>+ Packet IP address remapping support.</li> </ul> </li> <li>* Additional RIST Main profile supporting features:                 <ul style="list-style-type: none"> <li>+ Tunnel statistics displayed via Dashboard.</li> </ul> </li> </ul> </li> </ul>

## **SafeLink - Update Description - Cont.**

Rev 0.11 series  
(05/10/2023 - 06/09/23)

- + Web User Interface (UI) for authentication operations:
  - . Certificate signature support.
  - . User credentials upload. User credentials include RSA/ECDSA certificates and their corresponding private keys plus Certificate Authority (CA) certificate.
  - . Internal certificates (RSA/ECDSA/CA) download.
  - . Certificate Signing Request (CSR) generation and its subsequent download.
- + Web UI protection (by password) and activation via Dashboard.
- + Internal CA private key upload and subsequent internal credential generation.
- + Internal CA download support.
- Protection against invalid IP address/netmask configurations of network interface by user.
- Added default non-conflicting IP address/port values among interfaces and IP connections.
- Added cgi library version v1.2.
- Fixed incorrect setting of "ARQ Sender Address" configuration.
- Added receiver multicast source filtering support.
- Added bit rate detection support for multi-program transport stream inputs.
- Fixed multiple crashes and unbounded RIST-buffer allocation scenarios.