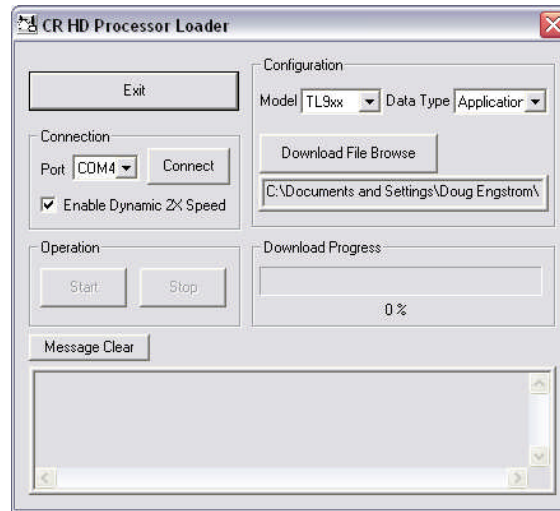


HD Loader

RS-232 Tool for 232-ATSC HD Processor Firmware



The 232-ATSC has two types of firmware update tools. The **S12 Firmware Loader** (SF-files) updates the control firmware for all 232-series tuners. The **HD Loader** (HD-files) updates the firmware for the HD processor that manages the tuning and output of digital and analog channels. As with the S12 loaders, the EXE file includes the loader program and firmware file.

When you update the HD Processor Firmware, update the S12 firmware, if it has changed.

RS-232 Setup

- Connect a DB9 Female to Female null model cable (TX and RX swapped at one end) between a PC and the 232-ATSC RS-232 port.
- Unplug the DC power to the 232-ATSC or 232-ATSC+
- Make sure programs such as HotSync aren't already using the RS-232 port

HD Processor Loader Operation

- **Run HD Load EXE:** This will install the loader and firmware files into a C:/CR Temp/HD XXX folder.
- **Run HD Load app:** Start the HDLOAD.EXE app.
- **Com Port:** Select the COM port you're using from the pull-down list at Connection. You can also select Enable Dynamic 2X Speed as an option.
- **Configuration:** Keep the default settings, Model=TL9xx, Data Type=Application
- **File:** Browse to the HD Load XXX folder and select the desired HD_Vxxxx.raw file.
- **Connect:** Click the **Connect** button below **Configuration**.
- **Start:** Click the Start button to begin the download process
- **Set 232-ATSC for Download:** Hold down both Volume (Left and Right arrows on the ATSC+) buttons and connect DC power. The front-panel display will show a dash (-) to show it is in the Processor Download mode.
- **Observe Status Text:** The **Download Progress** bar and **Message** box will keep you up to date on progress.
- **End.** The Message text will tell you when the process is complete. Close HD Loader, then unplug/replug the 12 VDC Power Screen should state "S/W Updated". You'll need to re-scan channels.
- **Confirm.** Use the tuner's IR to bring up the on-screen **Menu**. Select **Captions**, then **Version Information** to view the current firmware version.