

ASTRO Digital Spectra Clean Cab Radio

Translator Board Firmware R02.01.00

Release Notes

Introduction

The Translator Board firmware defines the functionality and ergonomics unique to the ASTRO Clean Cab Radio, as specified in the Clean Cab codeplug.

New Features in this Release

- Release R02.01.00 includes algorithms which provide improved resilience against and recovery from corruption of the HC11 microprocessor's CONFIG register, which increases the ASTRO Clean Cab Radio's reliability, particularly when subjected to an unstable power supply voltage.

Compatibility

Version R02.01.00 of the Translator Board firmware requires the following:

Programming Software:	ASTRO Clean Cab CPS. This release CANNOT be programmed with ASTRO Clean Cab RSS.
Hardware:	ASTRO Digital Spectra Clean Cab Radio. This release is NOT compatible with Analog Spectra Clean Cab.
Mobile Host Code:	ASTRO Spectra Mobile host code version R11.11.00 or higher.
Clean Cab Codeplug:	Codeplug created and programmed with ASTRO Clean Cab CPS. Codeplugs created and/or programmed with ASTRO Clean Cab RSS are NOT compatible with this release.

Instructions

To update the Clean Cab radio with this firmware release follow the procedure outlined in the "Installation_Instructions.pdf" file included with the package. "WiPlash" is the Windows-based updater tool provided with this package. "SPlash" is the DOS-based updater tool that is still available for older systems. Both are available through Motorola Online.

NOTE Immediately after upgrading a Clean Cab Radio to this release from R01.xx.xx, the radio will display error "FAIL 05/86" or "FAIL 05/84" and will not power up. This is normal and results from the old codeplug still residing in the Translator Board's EEPROM.

Before the radio will operate properly, a new codeplug must be written to the Translator Board using ASTRO Clean Cab CPS. The CPS installation includes two default codeplug files: "default_cp.cpg" with no home modes, and "default_hmode_cp.cpg" with one home mode. The user should create a copy of one of those codeplugs, modify it with any custom settings, and then program it into the Clean Cab Radio.