



DA-7X2 Firmware V1.05

Firmware V1.05d2 • CPS V1.05d • August 2026

What to install

Component	Version	What to do
Main firmware	V1.05d2	Install either Standard or NXDN—not both
CPS	V1.05d	Install after backing up the radio
Noise-reduction board	V112	Update only if needed; see the NR guide
Icon	V1.01	No update required
Baseband	V3_01_01A6	No update required
Bluetooth	10024	No update required

Before updating: Read and save the current codeplug with the working BTECH CPS before installing CPS V1.05d. Verify that the backup reopens and store a second copy elsewhere. The required post-update reset erases radio programming.

New BTECH features

- **Store-and-Forward Repeater** — records a complete analog FM or DMR transmission on the selected simplex channel and retransmits it after reception ends.
- **Linked Scan Groups** — lets a channel use multiple scan groups in one scan workflow.
- **Priority Scan** — checks one or two selected channels more frequently while scanning.
- **Ad-hoc Talkgroup Entry** — enters a DMR group ID from the keypad and can retain it until you clear or change it.
- **Analog Squelch Adjustment** — adds the Ana SQ Set programmable side-key shortcut for quick access to five analog squelch levels.
- **Scan PTT correction** — keeps transmit audio active while PTT is held during scanning.
- **Scan Revert Channel correction** — follows the programmed Revert Channel setting during scan transmit.

Other V1.05 improvements

1. Improves analog APRS reception.
2. Corrects one-way audio in live analog cross-band repeater operation.
3. Improves Digital Monitor reception.
4. Corrects the Friends List Online Alert behavior when a listed ID is heard on the air.
5. Corrects DTMF dialing from the Analog Address Book on VFO B.
6. Improves AM air-band scan speed.
7. Improves decoding when two 2-Tone frequencies are closely spaced.
8. Improves BT03 wireless microphone operation.
9. Adds +09:30 and +10:30 time-zone choices.
10. Adds a Support-directed PF1 + PF3 recovery path for a confirmed null NR/APRS condition; use it only through the DA-7X2 NR Board Update and Recovery Guide.
11. Adds Bluetooth KISS TNC support for APRSdroid workflows.

MMDVM hotspot advisory

Hotspot setting: If an MMDVM hotspot misses the first one or two PTT attempts, set DMR TXHang to 10 in the hotspot's MMDVMHost settings. This is a hotspot timing setting, not a radio firmware option.