

SATEL RELEASE NOTE

Document: CRN-17-007-v2

TOPIC
SATELLAR XT 5R / 5RC Radio Unit Firmware version 8.5.1.27 (RU DSP 5.5.5.19) for QAM variant
Date: 22.11.2017
<input type="checkbox"/> HW <input checked="" type="checkbox"/> FW <input type="checkbox"/> SW <input type="checkbox"/> New product <input type="checkbox"/> Other:

APPLIES TO	
PRODUCT CODE AND NAME	REMARKS
YF0200 SATELLAR XT 5R QAM	5W RU
YF0210 SATELLAR XT 5RC QAM	5W RU and CU
YF0220 SATELLAR XT 5RC QAM	5W RU and CU with display
YF0205 SATELLAR XT 5R QAM	5W RU without encryption
YF0215 SATELLAR XT 5RC QAM	5W RU and CU without encryption
YF0225 SATELLAR XT 5RC QAM	5W RU and CU with display without encryption

CHANGES	
Priority upgrade. Upgrade of all supported devices in the network recommended. Upgrade of SATELLAR XT 5R/SATELLAR XT 5RC for QAM modulation Radio Unit Firmware, DSP SW. All listed below are in comparison to RU FW QAM version 8.5.1.13.	
New features	
Enhancements	<ul style="list-style-type: none">- Buffer overflow handling- SNR and RSSI reporting for diagnostics more accurate by averaging- Performance update for internal DSP, MCU communications- Radio protocol enhancements
Other changes	<ul style="list-style-type: none">- Stability enhancements

COMPATIBILITY

SATELLAR XT QAM variant is radio compatible only with other currently released SATELLAR QAM variants. No radio compatibility with SATELLAR-1DS/SATELLAR-2DS, or SATELLAR XT FSK variants. The radio unit FW 8.5.1.27 is compatible and verified with the latest central unit FW 1.4785.7.

FIRMWARE FILES

SATELLAR XT 5R / SATELLAR XT 5RC Radio Unit (RU) firmware 8.5.1.27 for QAM package file:

- SATELLAR_XT5_RC_RU_FW_8_5_1_27.zip contains the version with encryption support.
 - MD5: "91 b8 fe 5b 6d 3b 9c 44 09 52 57 89 d6 97 54 ea"
 - SHA256: "b8 ac d3 38 01 58 b7 c7 f4 f3 55 b2 8c 70 1a 2d 0a 73 64 79 91 7e f0 22 3d 37 40 35 6b c3 ce c9"
 - SHA512: "10 b3 67 28 29 77 dd ef a9 36 6d 99 14 76 b5 2e 00 fa db 77 2c 14 88 85 f0 f9 9e dc 8e 27 9d 00 fe 97 8d 3b 95 0b 30 5c b7 2c e3 f9 4d 1e 2f 0a 4e 04 de ab 9a 97 1f 00 f6 59 23 c5 a5 99 e4 88"
- SATELLAR_XT5_RC_RU_FW_8_5_1_27_NC.zip contains the version with no encryption support on RU.
 - MD5: "d0 b7 04 aa e7 25 db ce 36 7a c7 e3 ff 4e 01 bd",
 - SHA256: "2f 10 78 cb bd 42 40 0e 20 ec 9b 32 6a 9e bc 55 d8 95 88 cf 6d dd 33 3f 98 4a eb 96 2c a4 0c 16",
 - SHA512: "a9 f4 85 7a 4c e8 72 13 db 8b dd e2 31 6c e6 81 6d 6d 73 cb 94 c2 e0 0f a7 2b bb ca 9a 73 73 aa 5b 36 4e 95 23 c4 a5 4b e1 e9 60 69 d8 6f 40 b1 b9 67 19 69 ed 09 c4 af 6e a2 c5 28 9a af 7a 6a"

Firmware package file	Description
mf_ru_mcu_8_5_1_27_mp_dsp_5_5_5_19.crt	Flash file for serial update for SATELLAR XT 5R
FlashRU.bat	System file to launch the serial update for SATELLAR XT 5R
SatelNmsFileTransfer.exe	System file to support serial update for SATELLAR XT 5R
satellar_rmu-8.5.1.27.update	Flash file for web UI update of the RU for SATELLAR XT 5RC
mf_ru_mcu_no_crypt_8_5_1_27_mp_dsp_5_5_5_19.crt	Flash file for serial update for SATELLAR XT 5R without encryption
satellar_rmu-no_crypt_8.5.1.27.update	Flash file for web UI update of the RU without encryption for SATELLAR XT 5RC