



TOPIC
SATELLAR Radio Unit Firmware version 5.5.0.0 / DSP Firmware version 5.3.3.3
Date: 07.06.2013
<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
YF0010 SATELLAR-1DS	1W RU
YF0020 SATELLAR-2DS	1W RU and CU
YF0030 SATELLAR-2DS	1W RU and CU with display
YF0040 SATELLAR-10DS	10W RU
YF0050 SATELLAR-20DS	10W RU and CU
YF0060 SATELLAR-20DS	10W RU and CU with display
YF1000 SATELLAR RU	SATELLAR-1DS, 1W RU
YF3000 SATELLAR RU	SATELLAR-10DS, 10W RU

CHANGES	
The changes compared to the previous version RU 5.4.2.3 (and DSP 5.3.3.2) are listed below.	
New features	<p>1. Support for Source routing</p> <p>The message routing scheme similar to SATELLINE-3AS NMS radio modems is now available for SATELLAR. See the user manuals of SATELLAR and NMS PC for more details.</p> <p>2. Support for NMS PC configuration & monitoring</p> <p>NMS PC software can be used for configuring and monitoring the status of SATELLAR network (Online and Offline). See the user manuals of SATELLAR and NMS PC for more details.</p>
Fixed Faults / Defects	<p>1. Reception on 4FSK + Half Training Sequence Length + Encryption</p> <p>An excessive percentage of received messages were lost using this combination of settings with previous firmware versions that contain DSP firmware version 5.3.3.2. Firmware version 5.5.0.0 incorporates DSP firmware version 5.3.3.3 that fixes the issue.</p> <p>2. NMSID 1.772 (Modem Model) identifies SATELLAR RU 10W</p> <p>The model name shows correctly now also with 10W radio units.</p> <p>3. Internal fixes</p> <p>Previous versions had issues that sometimes caused unnecessary resets.</p>

COMPATIBILITY

The table below summarizes the compatibility between the released versions of Central Unit (CU) and Radio Unit (RU).

COMPATIBILITY	RU v5.4.1.9 Released 8.7.2012	RU v5.4.2.3 Released 1.10.2012	RU v5.5.0.0 Released 4.5.2013
CU v1.2914 Released 1.9.2011	Not tested	Not tested	Not tested
CU v1.2928 Released 10.10.2011	Not tested	Not tested	Not tested
CU v1.2953 Released 2.12.2011	Not tested	Not tested	Not tested
CU v1.3126 Released 11.6.2012	Supported	Not tested	Not tested
CU v1.3169 Released 1.10.2012	Not tested	Supported	Not tested
CU v1.3235 Released 1.2.2013	Not tested	Supported	Supported

NOTES!

- FW versions RU v5.4.1.9 / CU v1.3126 or newer support SATELLAR-10DS and -20DS.
- Remote NMS functions are NOT compatible with previous versions (v5.4.2.4 or earlier).
- Remote firmware flash update procedure is to be performed in reverse order – the furthestmost modem first and the closest-to-master modems last. NMS connection will be disrupted until the modems have been successfully updated.

FIRMWARE FILES

SATELLAR Digital System: Radio Unit (RU) firmware 5.5.0.0 package

Firmware package file	Description
SATELLAR RU fw 5 5 0 0.crt	Flash file (for serial update)
satellar_rmu-5.5.0.0.update	Flash file (for web UI update)