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# **Upgrade-Preisliste**

Mit Firmware Features

# **Upgrade Price List**

With list of firmware features

Stand/As at: 03.05.2017

Änderungen und Irrtümer vorbehalten.

This document is subject to changes.



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### 1. Upgrade Preisliste – Upgrade Price List

Die folgende Liste gibt den Upgrade-Preis pro Kanal\* des Gerätes an.

The following matrix gives the price for an upgrade per channel\* of the system.

Nach-To:	00.08.04.xx	00.09.00.XX
Von-From:		
Ältere Versionen		
Older versions	52,00 €	xxxxxxxxxx
00.07.03.xx	40,00 €	xxxxxxxxxx
00.07.04.xx	32,00 €	xxxxxxxxxx
00.08.01.xx	27,00 €	52,00 €
00.08.02.xx	22,00 €	47,00 €
00.08.03.xx	20,00 €	45,00 €
00.08.04.xx		25,00 €

RMCS-Lizenzen kosten unabhängig von der Firmware 5,00 € pro Kanal, eine TLS-Lizenz 3,50 € pro Kanal. RMCS/Gateway Lizenz\* (nur ab 00.08.04.xx möglich) kostet 25,00 € pro Kanal des RMCS/Gateways.

The price for TLS licenses is 3.50 € per channel and for RMCS licenses 5.00 € per channel, both irrespective of the firmware version.

The price for RMCS/Gateway License\* is (possible only for releases higher than 00.08.04.xx) 25,00 € per channel of the RMCS/Gateway.

\* Bitte finden Sie im Folgenden eine Auflistung aller Schnittstellen und der zugehörigen Kanalzahlen, um entsprechend die Upgrade-Preise berechnen zu können.

\* RMCS/Gateway Lizenz erlaubt die Nutzung von RMCS und Gateway Funktionalität auf demselben Hardware.

\* Please find following up a list of all possible interfaces and their channel quantities in order to enable you to calculate the correct upgrade price.

\* RMCS/Gateway License allows the usage of RMCS and Gateway functionality on the same hardware platform.

- Analog - Analogue: 1 Kanal - Channel
- IP - IP: 1 Kanal – Channel (Codec)
- GSM: 1 Kanal - Channel
- S0 - BRI: 2 Kanäle - Channels
- U0/Uk0/Up0 2 Kanäle – Channels
- S2M - PRI: 30 Kanäle - Channels



## 2. Firmware Features

FW Version	Release date	NMP Version	New Features (for more details, please see Release notes under <a href="http://www.novatec.de/cms/de">http://www.novatec.de/cms/de</a> under tab "DOWNLOAD" --> NMP)	Hardware related changes	Hardware dependencies
00.06.07.00	Sept 09	6.3.2	First official release for CUCM interworking.	None	CCU3/S3: Requires Bootprom 3.5
00.07.00.45	Jan 10	6.3.2	TLS and SRTP support		
00.07.00.55	Feb 10	6.3.2		High-precision quartz as an alternative to GPS synchronisation.	
00.07.00.63	Mar 10		<ul style="list-style-type: none"> <li>- Call-Home fallback to second NMS</li> <li>- reconfigurable Backplane-ID in NLP configuration</li> <li>- improved SIP TLS configuration</li> </ul>		
00.07.00.67	July 10		No new features, only bug fixes and one other change: The firmware accepts a SSRC change in the SRTP packet header during the lifetime of a call, for details see release notes: <a href="http://www.novatec.de/cms/de/Downloads/DownloadNMP_OLD.html">http://www.novatec.de/cms/de/Downloads/DownloadNMP_OLD.html</a> .		
00.07.01.01	April 10		Switching between different RTP synchronization sources in NLP mode.		
00.07.02.00	Aug 10	6.6	<ul style="list-style-type: none"> <li>- Improved reconfiguration in NLP mode. The parameters IP address, domain name and UDP port in the Remote profile can be configured without requiring a reset.</li> <li>- New configuration option for NLP mode "Wait for L1 active"</li> <li>- IP configuration via TELNET</li> <li>- Support for displaying information regarding firmware and TLS license in Trace Info Client</li> <li>- New Call-Home events "Invalid FW licence-Event" and "Invalid TLS licence-Event"</li> <li>- Loadable Music-On-Hold support for CCU3</li> <li>- Default time of the target system was changed to 00:00, 1.6.2010</li> <li>- Passwords are deleted if the system is brought to default using the front panel reset button</li> <li>- ULU changes for RMCS usage</li> <li>- The limitation of 26 synchronisation sources (slave interfaces) has been removed</li> <li>- Improved support for TLS secured CUCM-SIP trunks and improved memory management</li> <li>- The target system now accepts a RTP stream coming from a different IP address than specified in the SIP signalling (SDP</li> </ul>	ULU changes for RMCS usage (ULU needs R-State R2B or higher to act as RMCS client)	



			part)		
00.07.02.03	Nov. 10		No new features, only bug fixes. See release notes. One other change: The target system performs an automatic system reset after a firmware upload if no calls are active.		
00.07.03.00	June 11	6.6	<ul style="list-style-type: none"> <li>- Increased RSA key length to 2048 bit</li> <li>- Support for MLPP</li> <li>- Support for SCEP</li> <li>- RTP-Synchronization via RMCS</li> <li>- Support for Blind Transfer</li> <li>- Support for 3PTY</li> <li>- Support for NGN-MS</li> <li>- System time is saved in flash as a backup for problem scenarios (NTP server not reachable...)</li> </ul>	Support for new SU04 board	
00.07.03.01	Aug 11	6.6	<ul style="list-style-type: none"> <li>- Support for Call-Transfer over SIP trunk (REFER method)</li> <li>- Support for ANS, /ANS, ANSam, /ANSam telephone events</li> </ul>		
00.07.04.00	Jan 11	6.6	<ul style="list-style-type: none"> <li>- Support for CLI in Trace Info Client</li> <li>- Support for CLI commands for the control of Call Forwarding</li> </ul>		
00.08.01.xx	June 12	7.1	<ul style="list-style-type: none"> <li>- Support for the following new call home events: <ul style="list-style-type: none"> <li>o Call Setup Time Threshold-Event</li> <li>o TLS CA certificate invalid in one week</li> <li>o TLS certificate invalid in one week</li> <li>o TLS has default time</li> <li>o TLS own chain invalid</li> <li>o Support for RTP operation on a separate Ethernet interface</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- Support for CCU4 board</li> <li>- Support for UP0 board</li> </ul>	
00.08.02.xx	Aug 12	7.2	<ul style="list-style-type: none"> <li>- Support for a new configuration option which controls the behaviour on ISDN trunk line and cross connection.</li> <li>- The firmware now is able to establish unsecure call home calls if TLS is activated but the certificates have not yet been signed.</li> <li>- Support for ANSAM tone detection on the CCU4 (version 00.08.02.07 or higher).</li> </ul>		FW version 00.08.02.06 or higher require an update of the CCU4 hardware to R-State R2D.
00.08.03.xx	June 13	7.3	<ul style="list-style-type: none"> <li>- Support for SMS notification on rejected mobile calls</li> <li>- Automatic calculation of daylight saving time for countries with time zone GMT +0 or GMT +1</li> <li>- Support for signalling a "+" instead of "00" in SIP calls using international E.164 number format</li> </ul>	Support for CAU2 and UK04 boards. (The CAU2 can be used with previous firmware versions also. This does not affect the function of the CAU2, only the Trace Info Client will not recognize the CAU2 if an older version is used and no L1 Activation LED is working)	
00.08.04.xx	Oct 16	7.4	<ul style="list-style-type: none"> <li>- Support for TLS1.2 with SHA256</li> <li>- Support for longer SRTP keys (AES with 256 bit key length)</li> <li>- A system setup as an RMCS server can also route normal calls (the combination of Gateway, RMCS Server and SBC is possible</li> </ul>	<ul style="list-style-type: none"> <li>- Hot-Plug support for analogue cards placed on a CAU1/CAU2</li> </ul>	



			<p>now). This feature requires an extra licence. This feature is not available for S3 units running in SIP line mode and is only applicable for S3 in SIP trunk mode</p> <ul style="list-style-type: none"> <li>- NLP (NovaTec Link Protocol for transparent transfer of D and B Channel information via IP) on UP0 interfaces on the S3 is now supported. This feature requires NMP 7.4.</li> <li>- A new filter of VoIP codec on all CCUx boards (x &gt;= 4) restricts a codec change after per SIP/SDP signalling negotiated one. This feature prevents SRTP DOS attacks for connections which try to use a different codec than negotiated.</li> <li>- Incoming SIP numbers with E.164 format prefixed with a "+" are now supported. The "+" will be replaced with the configured "International prefix digits" before the internal routing continues.</li> <li>- If a "no resource available" situation is encountered on establishing an incoming SIP call then that call will now be rejected by sending a "503 Unavailable" response. The "600 busy everywhere" response which was sent by earlier firmware versions could lead to suppression of call re-routing to alternate servers.</li> </ul>		
00.09.00.xx	May 17		<ul style="list-style-type: none"> <li>- Support for NAMES 3.0</li> <li>- Support for IPv6</li> <li>- Support for Codecs G.722 and iLBC</li> <li>- Support for Call Forwarding in the network (ISDN and SIP)</li> <li>- Support for new alarms:             <ul style="list-style-type: none"> <li>o PSU redundancy failure/restored (requires an S8 or S21 chassis)</li> <li>o RMCS connection lost alarm</li> <li>o RMCS connection attempt failed</li> </ul> </li> </ul> <p>Remarks: Starting with Firmware release 9.0 only the applications Trace-Info-client and Call-Server are used from the NMP package. The configuration of target systems is no longer done using the "NovaTec configuration" application from the NMP package. Instead the web GUI from NAMES 3.0 is used.</p>	<ul style="list-style-type: none"> <li>- S3 and CCU3 based systems are no longer supported</li> <li>- BCU, WAU, EWU and SCU boards are no longer supported</li> </ul>	Only works with CCU4 based systems