

**User's Guide**  
**bintec R1200 / R1200w(u) / R3000 / R3000w / R3400 / R3800(wu)**  
**UMTS**

**Purpose** This document is part of the user's guide to the installation and configuration of bintec gateways running software release 7.4.10 or later. For up-to-the-minute information and instructions concerning the latest software release, you should always read our **Release Notes**, especially when carrying out a software update to a later release level. The latest **Release Notes** can be found at [www.funkwerk-ec.com](http://www.funkwerk-ec.com).

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The information in this manual is subject to change without notice. Additional information, changes and **Release Notes** for bintec gateways can be found at [www.funkwerk-ec.com](http://www.funkwerk-ec.com).

As multiprotocol gateways, bintec gateways set up WAN connections in accordance with the system configuration. To prevent unintentional charges accumulating, the operation of the product should be carefully monitored. Funkwerk Enterprise Communications GmbH accepts no liability for loss of data, unintentional connection costs and damages resulting from unsupervised operation of the product.

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**Guidelines and standards** bintec gateways comply with the following guidelines and standards:

R&TTE Directive 1999/5/EG

CE marking for all EU countries and Switzerland

You will find detailed information in the Declarations of Conformity at [www.funkwerk-ec.com](http://www.funkwerk-ec.com).

**How to reach Funkwerk  
Enterprise Communications  
GmbH**

Funkwerk Enterprise Communications GmbH Suedwestpark 94 D-90449 Nuremberg Germany  Telephone: +49 180 300 9191 0 Fax: +49 180 300 9193 0 Internet: <a href="http://www.funkwerk-ec.com">www.funkwerk-ec.com</a>	Bintec France 6/8 Avenue de la Grande Lande F-33174 Gradignan France  Telephone: +33 5 57 35 63 00 Fax: +33 5 56 89 14 05 Internet: <a href="http://www.bintec.fr">www.bintec.fr</a>
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# 1 UMTS Menu

The fields of the *UMTS* menu are described below.

A configuration with example values is displayed.

R3000wu Setup Tool	Funkwerk Enterprise Communications GmbH
[UMTS]: Settings	MyGateway
<pre> UMTS Adminstatus      : enable UMTS PIN              : 1234  Additional Initstring  : ATX3 Access Point Name (APN) : web.vodafone.de Incomming call action  : PPP dialin  Current Modem Status   : up UMTS Network Provider  : Vodafone.de UMTS Signal Quality    : -93 dB (low) Last Modem Command     : AT+CSQ Last Modem Answer      : OK           </pre>	
SAVE	CANCEL

With its CardBus interface (PC-Card), the bintec gateway enables you to integrate an UMTS CardBus modem into the system. With this modem, you can establish a connection to the Internet via UMTS.

For the currently supported UMTS modem cards, please refer to the data sheet of the respective gateway at [www.funkwerk-ec.com](http://www.funkwerk-ec.com).

As not all bintec gateways are equipped with a CardBus interface, check the availability of this interface type in the data sheet of your gateway, too.

To use UMTS, first define a respective WAN partner. Use the settings **LAYER 1 PROTOCOL = GPRS/UMTS** and **INTERFACE = Slot 6 Unit 0** in **WAN → ADD → ADVANCED SETTINGS**. In **WAN PARTNER → ADD → IP → BASIC IP-SETTINGS** set **IP TRANSIT NETWORK = Dynamic Client**, **ENABLE NAT = yes**, **DEFAULT ROUTE = yes**.

All further required settings are configured in the **UMTS** menu.

The **UMTS** menu consists of the following fields:

Field	Description
UMTS Adminstatus	<p>Here you define the operation status of the UMTS CardBus modem.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>■ <i>enable</i> (default value): Activates the modem.</li> <li>■ <i>disable</i>: Deactivates the modem.</li> </ul>
UMTS PIN	<p>Here you enter the PIN of your UMTS modem card.</p> <p>Entering a wrong PIN blocks communication until the entry is corrected.</p>
Additional Initstring	<p>Here you can enter an initialization string for your modem. The command <i>ATX3</i> is the default setting (the modem does not wait for a free signal before dialing). You can add other AT commands by separating them with semicolons. The entry is limited to 40 characters.</p>
Access Point Name (APN)	<p>If GPRS/UMTS is to be applied, the so-called Access Point Name you got from your provider must be entered here. The entry is limited to 40 characters.</p> <p>If nothing or incorrect data is entered here, the configured GPRS/UMTS connection is inoperable.</p>

Field	Description
Incoming call action	<p>Here you select the gateway subsystem to which an incoming call over the modem is to be assigned.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>■ <i>PPP dialin</i> (default value): The call is assigned to the PPP subsystem.</li> <li>■ <i>isdnlogin</i>: The call is assigned to the ISDN Login subsystem.</li> <li>■ <i>disable</i>: No call is accepted.</li> </ul>
Current Modem Status	<p>Displays the current modem status.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>■ <i>up</i> (default value): The modem is connected.</li> <li>■ <i>down</i>: The modem is not connected (administratively set to down).</li> <li>■ <i>connected</i>: The modem is ready for data transfer.</li> </ul>
UMTS Network Provider	<p>Only for <b>CURRENT MODEM STATUS</b> = <i>up</i>. Displays the currently used UMTS Network Provider.</p>
UMTS Signal Quality	<p>Only for <b>CURRENT MODEM STATUS</b> = <i>up</i>. Displays the current quality of the UMTS connection.</p>
Last Modem Command	<p>Only for <b>CURRENT MODEM STATUS</b> = <i>connected</i> or <i>up</i>. Displays the last command sent to the modem by the gateway.</p>

Field	Description
Last Modem Answer	Only for <b>CURRENT MODEM STATUS</b> = <i>connected</i> or <i>up</i> . Displays the last answer of the modem to a request of the gateway.

Table 1-1: **UMTS** menu fields



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