

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

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.

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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.

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.

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1 ADSL Menu

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

R3000w Setup Tool [ADSL]: ADSL settings	Funkwerk Enterprise Communications GmbH MyGateway
Physical connection established: no ADSL Trained Mode: Unknown ADSL Configured Mode: Multimode Annex Type: Annex B Verify ATM Configuration > Transmit shaping: disabled	
SAVE	CANCELs

In the **ADSL** menu you configure the ADSL-interface of your gateway.



Note

Please note that not all bintec gateways are equipped with an ADSL interface. Refer to the data sheet on www.funkwerk-ec.com to check whether your gateway supports this interface type.

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

Feld	Wert
Physical connection established	Shows the status of the ADSL connection and cannot be edited. Possible values: ■ <i>yes</i> : ADSL connection has been set up. ■ <i>no</i> : ADSL connection has not been set up.

Feld	Wert
ADSL Trained Mode	<p>This field displays the ADSL operational mode. The value cannot be changed.</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>Unknown</i>: No ADSL link is active. ■ <i>ANSI T1.413</i>: ANSI T1.413 ■ <i>ADSL1</i>: ADSL classic, G.DMT, ITU G.992.1 ■ <i>G.Lite</i>: Splitterless ADSL, ITU G.992.2 ■ <i>ADSL2</i>: G.DMT.Bis ITU G.992.3 ■ <i>ADSL2 DELT</i>: ADSL2 Double Ended Line Test ■ <i>ADSL2 Plus</i>: ADSL2 Plus, ITU G.992.5 ■ <i>ADSL2 Plus DELT</i>: ADSL2 Plus Double Ended Line Test ■ <i>READSL2</i>: Reach Extended ADSL2 ■ <i>READSL2 DELT</i>: Reach Extended ADSL2 Double Ended Line Test
ADSL Configured Mode	<p>Here the ADSL mode is configured.</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>Multimode</i> (default value): The ADSL mode is automatically adjusted to that of the remote side. ■ <i>ADSL1</i>: ADSL1 / G.DMT is used. ■ <i>ADSL2</i>: ADSL2 / G.992.3 is used. ■ <i>ADSL2 Plus</i>: ADSL2 Plus / G.992.5 is used. ■ <i>None</i>: The ADSL interface is deactivated.

Feld	Wert
Annex Type	<p>Here the ADSL annex type to be used is selected.</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>Annex B</i> (default value): ADSL over ISDN (digital) ■ <i>Annex A</i>: ADSL over POTS (analog)
Transmit shaping	<p>Defines if a MAXIMUM THRESHOLD (KB/S) can be entered. Possible values:</p> <ul style="list-style-type: none"> ■ <i>disabled</i>: MAXIMUM THRESHOLD (KB/S) cannot be entered. ■ <i>enabled</i>: MAXIMUM THRESHOLD (KB/S) can be entered. <p>Default value is <i>disabled</i>.</p>
Maximum threshold (kb/s)	<p>Not for TRANSMIT SHAPING enabled.</p> <p>Defines the maximum data rate for upstream for the ADSL interface.</p> <p>Possible values: <i>user defined</i> and 128, 160, 192, 320, 640, 1280.</p> <p>Default value is <i>user defined</i>.</p> <p>If set to <i>user defined</i>, the required data rate can be entered. Default proposal is 80.</p>

Table 1-1: **ADSL** menu fields

The **ADSL** menu provides for access to the ATM configuration menu via the link **VERIFY ATM CONFIGURATION >**. (see **bintec User's Guide** chapter **ATM**).

The ATM configuration has to be adjusted to the selected **ANNEX TYPE**. As per default an Ethernet interface is configured on your gateway in the **ETHERNET OVER ATM** menu, that is adjusted to ADSL connections with **ANNEX TYPE = Annex B**.

**Note**

Verify the ATM configuration in the ***ETHERNET OVER ATM*** menu via the ***VERIFY ATM CONFIGURATION >*** link whenever changing the ***ANNEX TYPE***.

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