

User's Guide
bintec R4100 / R4300
PPP

Purpose This document is part of the user's guide to the installation and configuration of bintec gateways running software release 7.4.5 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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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 PPP Menu

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

R4100 Setup Tool	Funkwerk Enterprise Communications GmbH
[PPP]: PPP Profile Configuration	MyGateway
Authentication Protocol	CHAP + PAP + MS-CHAP
Radius Server Authentication	inband
PPP Link Quality Monitoring	no
PPPoE Ethernet Interface	disabled
SAVE	CANCEL

The menu includes general ►► **PPP** settings that do not just refer to particular WAN partners, e.g. **AUTHENTICATION PROTOCOL**. This setting causes the gateway to carry out authentication negotiation for incoming calls, if it cannot identify the calling party number (e.g. because the remote terminal does not signal the calling party number). If the data (password, partner PPP ID) obtained by executing the authentication protocol are the same as the data of a listed WAN partner or RADIUS user, the gateway accepts the incoming call.

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

Field	Description
Authentication Protocol	<p>Defines the PPP authentication protocols the gateway can use for incoming calls without >> CLID.</p> <p>Possible values:</p> <ul style="list-style-type: none">■ <i>PAP</i>: PAP only■ <i>CHAP</i>: CHAP only■ <i>CHAP + PAP</i>: first CHAP, then PAP■ <i>MS-CHAP</i>: MS-CHAP version 1 only■ <i>CHAP + PAP + MS-CHAP</i> (default value): first CHAP, if denied then the protocol required by the caller (MS-Chap version 1 or 2 possible)■ <i>MS-CHAP V2</i>: MS-CHAP version 2 only■ <i>none</i>: no PPP authentication.

Field	Description
Radius Server Authentication	<p>Settings for RADIUS server authentication. (RADIUS = Remote Authentication Dial In User Service).</p> <p>The following authentication sequence is used for incoming calls with RADIUS: first CLID, then CLID with RADIUS, then PPP, followed by PPP with RADIUS.</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>inband</i> (default value): Only inband RADIUS requests (PAP, CHAP, MS-CHAP V1 & V2) (i.e. PPP requests without CLID) are sent to the RADIUS server defined in IP → RADIUS SERVER. ■ <i>Calling Line Identification (CLID)</i>: Only outband RADIUS requests (i.e. requests for Calling Line Identification) are sent to the RADIUS server. ■ <i>CLID + inband</i>: Both types of RADIUS requests are sent to the RADIUS server (first outband requests, then – if necessary – inband requests). ■ <i>none</i>: No RADIUS requests are sent.
PPP Link Quality Monitoring	<p>Defines whether link quality monitoring is carried out for PPP connections (only necessary in exceptional cases, e.g. with Nokia Communicator).</p> <p>Possible values:</p> <ul style="list-style-type: none"> ■ <i>no</i> (default value): Link quality monitoring not used. ■ <i>yes</i>: The connection statistics are stored in the ➤➤ MIB table pppLqmTable.

Field	Description
PPPoE Ethernet Interface	Defines the default Ethernet interface for PPPoE connections. WAN partner settings have priority. The default value is <i>disabled</i> .

Table 1-1: **PPP** menu fields

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