

## Release Note

# Software Release 1.9.4

## For AR130 and AR140 Internet Routers

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## Introduction

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Allied Telesyn International announces the release of Software Release 1.9.4 on AR130 and AR140 Internet Routers. This release note describes the software enhancements in Software Release 1.9.4 since Software Release 1.9.3. It should be read in conjunction with the Start Here Guide, User Guide and Reference Manual for your router, which can be found on the Documentation and Tools CD-ROM packaged with the router, or on the support site:

■ [www.alliedtelesyn.co.nz/documentation/documentation.html](http://www.alliedtelesyn.co.nz/documentation/documentation.html)

A number of issues have been addressed and enhancements made in Software Release 1.9.4, especially to the router's implementation of the Point-to-Point Protocol (PPP), and (on the AR140) telephony.



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***WARNING: Information in this release note is subject to change without notice and does not represent a commitment on the part of Allied Telesyn International. While every effort has been made to ensure that the information contained within this document and the features and changes described are accurate, Allied Telesyn International can not accept any type of liability for errors in, or omissions arising from the use of this information.***

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## Point-to-Point Protocol (PPP)

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- Maximum segment size for TCP sessions over PPPoE links is now controlled so that packets do not exceed the maximum PPPoE packet size.
- Spurious PPPoE Active Discovery Initiation (PADI) packets are no longer generated while bringing up an on-demand PPPoE session with protocols such as Ping.
- When reducing bandwidth on demand, the PPP interface now sends a TERM REQ to close the link, instead of deactivating the lower layer interface directly. This increases the number of PPP implementations with which Allied Telesyn Internet routers will interoperate.
- If a dial on demand PPP interface is in the REQ SENT state and receives a DOWN event from the lower layer interface, it is now able to bring up the dial on demand PPP interface when the lower layer interface comes back up.
- A issue with BAP link down collisions was resolved.
- The test on the PAP ACK packet ID was removed, to allow for slow responses.

## ISDN

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- The router now correctly handles either one or two BRI DLCs in both the incoming and outgoing direction.
- Output from the ENABLE Q931 DEBUG command is now sent to the port from which the command is entered, rather than port 0.

## Telephony (PBX)

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Note that telephony services are only available on the AR140 Internet Router.

- The system configuration for PBX extensions is now put into the dynamic configuration even if nothing has changed, to avoid user confusion.
- When a port is disconnected from an extension with the PORT=NONE option of the SET PBX EXTENSION command and a configuration script is then created with CREATE CONFIG, PORT=NONE is now correctly displayed in the configuration script.
- The number of voice (VOX) ports is now correctly set at initialisation to 2.
- Voice calls now have the correct “call cleared” string generated for Omnicom PBXs.
- In certain circumstances, an extension answering a group call was not attaching to the trunk. This issue has been resolved.
- If both ends of a call hung up at the same time, an unavailable tone was sometimes generated on the local end’s on-hook extension. This issue has been resolved.

## HTTP

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- The router now checks for user privilege level when logging in via HTTP.
- If a file is being transferred by HTTP at the time at which a RESET LOAD command is executed, the transfer is now aborted.

## Encryption and Compression

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- The key length of HMAC keys is now correctly displayed by the SHOW ENCO CHANNEL command.

## Graphical User Interface (GUI)

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- If the web browser requests one page, and then immediately requests another, the first request is now correctly cancelled and the second correctly processed.
- Changes to the Manager password are now correctly processed, so that after you have changed the password, the browser only requires you to re-login once when you move to the next page, instead of multiple times.
- If you try to login to the GUI with a username and/or password that is longer than 64 characters, the router will now truncate it and only process the first 64 characters.
- An IP address range can now be entered correctly on the IP network GUI page.

## Internet Protocol (IP)

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- The CREATE CONFIG command now generates the DNS relay interface command at the correct stage of processing.

## Errata

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The following information about the call alert LED was omitted from the AR100 Series Internet Router User Guide (Document C613-02001-00 REV B):

The call alert LED is lit when:

- The router does not have an IP interface configured on its ethernet.
- The router is being communicated to by the access wizard, or by a web browser accessing the initial configuration wizard. The light goes off as soon as the configuration wizard process is complete.

The call alert LED flashes when:

- Configured limits on the Internet connection are exceeded.

## Availability

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Software Release 1.9.4 is available immediately as a FLASH release for upgrading existing routers. The release file can be downloaded directly from the Software Updates area of the Allied Telesyn web site at [www.alliedtelesyn.co.nz/support/updates/patches.html](http://www.alliedtelesyn.co.nz/support/updates/patches.html).

Software releases must be licenced and require a password to activate. To obtain a licence and password, contact your authorised Allied Telesyn distributor or reseller. You will need to specify the software release, the router model, and the serial number for each router running the release.

## Installation

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There are no issues upgrading from Software Releases 1.9.x to Software Release 1.9.4.

Make sure you download the correct Graphical User Interface resource file for your router as well as the Software Release file.