



RELEASE NOTES

BSAP 3.0.1.HB
November 10,
2017

Trademarks

Any brand names and product names included in this manual are trademarks, registered trademarks, or trade names of their respective holders.

To the Holder of the Manual

The contents of this manual are current as of the date of publication. ADTRAN reserves the right to change the contents without prior notice.

In no event will ADTRAN be liable for any special, incidental, or consequential damages or for commercial losses even if ADTRAN has been advised thereof as a result of issue of this publication.

Toll Fraud Liability

Be advised that certain security risks are inherent in the use of any telecommunications or networking equipment, including but not limited to, toll fraud, Denial of Service (DoS) attacks, loss or theft of data, and the unauthorized or illegal use of said equipment. ADTRAN OFFERS NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, REGARDING THE PREVENTION, DETECTION, OR DETERRENCE OF TOLL FRAUD, NETWORKING ATTACKS, OR UNAUTHORIZED, ILLEGAL, OR IMPROPER USE OF ADTRAN EQUIPMENT OR SOFTWARE. THEREFORE, ADTRAN IS NOT LIABLE FOR ANY LOSSES OR DAMAGES RESULTING FROM SUCH FRAUD, ATTACK, OR IMPROPER USE, INCLUDING, BUT NOT LIMITED TO, HUMAN AND DATA PRIVACY, INTELLECTUAL PROPERTY, MATERIAL ASSETS, FINANCIAL RESOURCES, LABOR AND LEGAL COSTS. Ultimately, the responsibility for securing your telecommunication and networking equipment rests with you, and you are encouraged to review documentation regarding available security measures, their configuration and implementation, and to test such features as is necessary for your network.

ADTRAN Technical Support Community

For information on installing and configuring ADTRAN products, visit the ADTRAN Support Community, <https://supportforums.adtran.com>.



Pre-Sales Technical Support
(800) 615-1176
application.engineer@adtran.com

Corporate Office
901 Explorer Boulevard
P.O. Box 140000
Huntsville, AL 35814-4000
Phone: (256) 963-8000
www.adtran.com

Post-Sales Technical Support
(888) 423-8726
support.adtran.com

Copyright © 2017 ADTRAN, Inc.
All Rights Reserved.

Contents

<i>Introduction</i>	4
<i>Supported Models</i>	4
<i>Wireless Regulatory Compliance</i>	4
<i>Features</i>	4
<i>Fixes</i>	4
<i>Errata</i>	5
<i>Release Specific Upgrade Instructions</i>	5

Introduction

The 3.0.1.HB software build for all BSAP 19XX, 2XXX, and 3XXX models addresses issues that were uncovered in a previous code release as well as the KRACK WPA2 vulnerability (www.krackattacks.com) .

This release is generally available code. Results obtained during internal testing have been evaluated and the code has been determined to be ready for general availability. Caveats discovered during testing but not addressed in this build are listed in [Errata on page 5](#).

Supported Models

The following models are supported in BSAP 3.0.1.HB. The AP firmware can be applied to the following models if the vWLAN is running version 3.0.1. The BSAP 3.0.1.HB firmware is only compatible with vWLAN version 3.0.1.

- BSAP 19XX
- BSAP 2XXX
- BSAP 3XXX

Wireless Regulatory Compliance

Based on United States FCC and European DFS and ETSI regulations, ADTRAN validates the country in which the APs are being operated. This prevents the ADTRAN equipment from accidentally being used in an improper configuration.

When customers request AP licenses, they must specify the country where the AP will be deployed and operated. Note that a single vWLAN can control and manage APs in different countries and regulatory domains – and the channel and power settings are regulated by the country where the individual AP is deployed and operated.

Before the license is installed, the AP is in the platform and not associated to any domain, so the AP's radios are disabled by default. When the licenses are uploaded, the country code is then applied to licensed BSAPs. Allowed channels and power levels are determined by the country and the platform, and once the AP is placed into a domain, it will scan the channels to discover neighboring APs and choose a valid channel.

Fixes

This section highlights major bug fixes in BSAP 3.0.1.HB.

- Resolved KRACK Vulnerability (www.krackattacks.com for information).
- The BSAP 3040 will cease to scan AP adjacencies causing DynamicRF to make incorrect channel and power choices.
- Some AP adjacencies reported by a BSAP 3040 are incorrect.
- A client that attempted to switch between the 2.4Ghz and 5Ghz radio on the same AP would be disconnected.
- A BSAP 3040 in Continuous DynamicRF mode may eventually cease to scan Channels.
- After a background scan, the BSAP 3040s scanning radio will stop scanning the environment which causes new Ap adjacencies to be missed.
- 802.11k and v capable clients band steered by a 3040 cannot pass traffic.
- The 3040 5Ghz output power is different when the 2.4GHz radio is enabled vs disabled.
- Clients intermittently unable to authenticate to an AP until the AP is rebooted.
- The BSAP 3040 may reboot due to a process failure.
- A BSAP 3040 memory leak could cause the AP to go to a Down state.
- In some cases after a client associates to a radio it will be unable to send traffic.

Errata

BSAP 3.0.1.HB contains the same errata as BSAP 3.0.1. Additional information is available in the *vWLAN and BSAP Release Notes* located at <https://supportforums.adtran.com/docs/DOC-8499>.

Release Specific Upgrade Instructions

To install the software, you must first be running vWLAN version 3.0.1. Please see <https://supportforums.adtran.com/docs/DOC-8499> and then upgrade using the vWLAN upgrade guide located at <https://supportforums.adtran.com/docs/DOC-7691>.