



Support

[company](#) [products](#) [partners](#) [support](#) [contact](#)

Release Notes for 3.1.5(GW) -- Sipura Phone Adapter

SPA-3000 -- 1 Port FXS, 1 Port FXO, 1 Ethernet Interface

Copyright (C) 2003-2005 Sipura Technology Inc.

* * * * * IMPORTANT * * * * *
* Use of Proprietary Information and Copyright Notice: *
* This release note document contains proprietary information *
* that is to be used only by Sipura Technology customers. *
* Any unauthorized disclosure, copying, distribution, or use *
* of this information is prohibited. This restriction includes *
* ALL Internet based discussion forums, e.g. DSLreports. *
* * * * *

Bug Fixes

=====

-- since 3.1.3(GWa) --

- .
CIDCW Ack digit (A or D) is sent OOB if DTMF Tx Method is INFO.
The symptom is that the other party may hear the ACK
digit if the peer device will play OOB DTMF via SIP INFO msg
- .
<Detect ABCD> setting has no effect if DTMF Tx Method
is INFO; ABCD is always sent OOB regardless the setting.

=====

New Features and Enhancements

=====

-- since 3.1.3(GWa) --

- . Allow macro expansion of \$A to \$D in User-Agent field configuration. These
macros correspond to provisionable parameters GPP_A to GPP_D.
- . Support bell 202 and also v.23 FSK standard for caller-id generation.
Select by setting <Caller ID FSK Standard> to "bell 202" or "v.23"
- . Distinguish between FAX Passthrough mode and Modem Passthrough Mode.
Modem Passthrough Mode can only be triggered by predialing the
<Modem Line Toggle Code>. FAX Passthrough Mode is triggered by
CED/CNG tone or NSE events. Echo canceller is automatically disabled
for Modem Passthrough Mode only. Echo canceller is automatically disabled
only if <FAX Disable ECAN> (Line 1/2) is set to "yes" for that line

- (in that case FAX passthrough is the same as Modem passthrough). Call-waiting and silence suppression is automatically disabled for both FAX and Modem passthrough as before. In addition, out-of-band DTMF Tx is disabled during modem or fax passthrough (all audio are
- . Added <Jitter Buffer Adjustment> Line 1/2 parameters to control how jitter buffer should be adjusted. Choices are:
up and down: jitter buffer size can go up or down
up only: jitter buffer size can only go up (up to the max value of 950ms)
down only: jitter buffer size can only go down (up to the min value of 30ms)
disable: jitter buffer size is fixed
 - . Added "extremely high" additional option to <Network Jitter Level> parameter. The initial jitter buffer size for each level are:
low: 30ms
medium: 40ms
high: 60ms
very high: 100ms
extremely high: 160ms
 - . Added <SIP Reg User Agent Name> which, if specified, is the user-agent name to be used in a REGISTER request. If not specified, the value in <SIP User Agent Name> will be used for REGISTER request also. Default value is blank.
 - . If Line 1 and 2 uses the same <SIP Port> value and option is enabled, then the <Proxy> IP address for both Line 1 and 2 are treated as acceptable IP address for both Lines since the unit cannot distinguish for which Line a inbound message is for unambiguously
 - . Added <Emergency Number> which is a comma separated list of emergency number patterns. If outbound call matches one of the pattern, SPA will start emergency call handling:
- Disable Hook Flash event handling
The condition is restored to normal after the phone is on-hook.
Default value is blank (no emergency number); max length is 63 chars.
 - . All phone number template accepts %xx escape in the pattern where the character represented by %xx is matched against literally. For example, to include a * in a pattern, use %2a, such as %2a123 matches "*123" (note that * in the pattern is wild card that matches any number of characters).
This applies to the parameters: <Ring1 Caller> - ,
<Cfwd Sell Caller> - ,
 - . After a REGISTER request fails for whatever reasons, the next REGISTER retry will not include preemptive credentials until challenged by the registrar again. This prevents a vicious cycle with some proxy server that will keep sending 403 (instead of 401 or 407) when REGISTER comes with invalid preemptive credentials.
 - . Increased allowed length of <SIP User-Agent Name> and parameters to 127 chars.
 - . Speed up SLIC calibration time. Power on to ready state should be about 1s or so.