



MODEL

9143i, 9480i, 9480i CT and
67xxi Series Phones

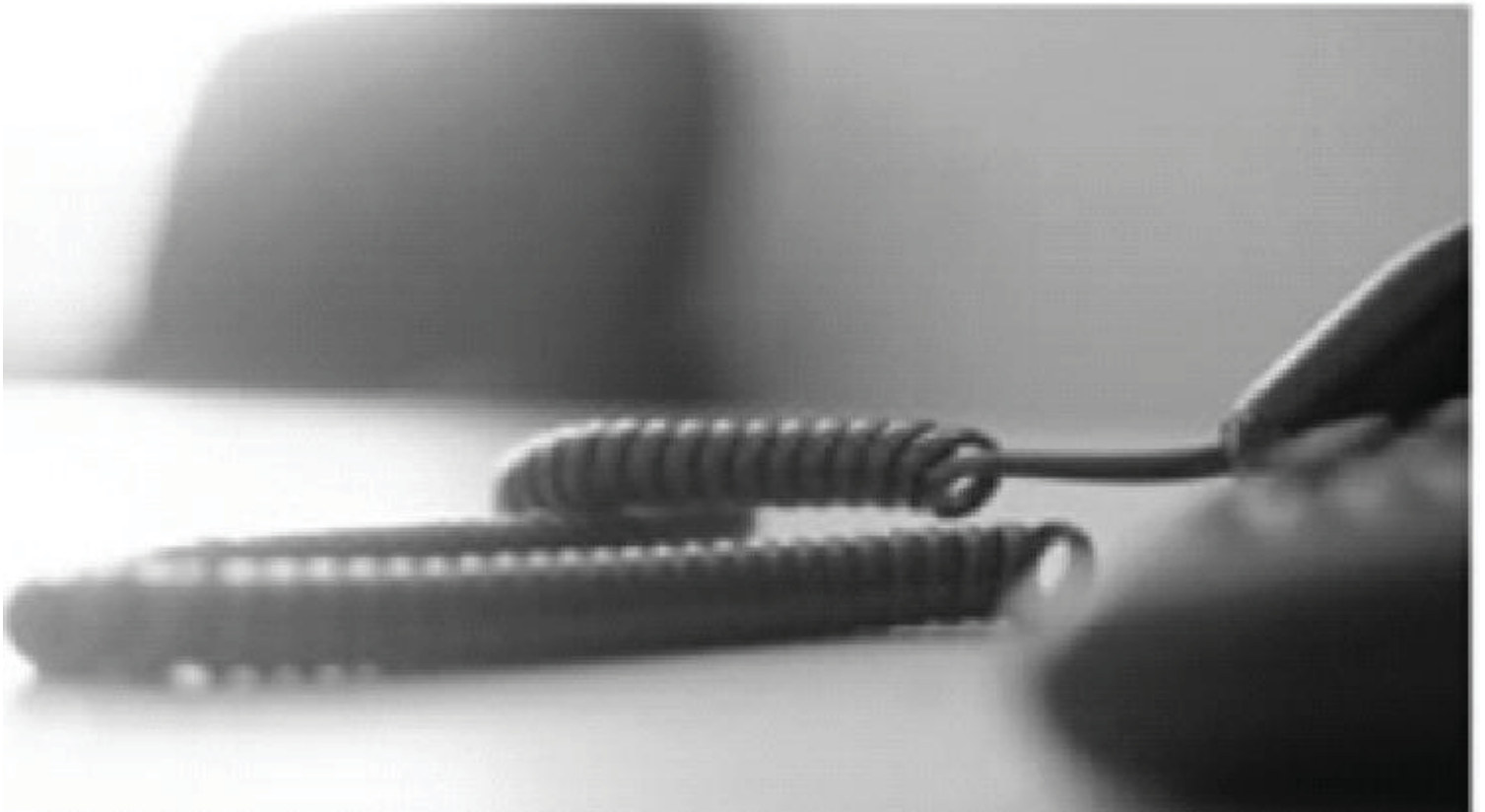
SIP IP PHONE

RN-001029-04

Rev 02

Release Note

Release 2.5.2



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SIP IP Phone Models 9143i, 9480i, 9480i CT, and 67xxi Series Phones Release Note 2.5.2

About this Document

This Release Note 2.5.2 provides issues resolved since the release of the 2.5.1 software for the 9143i, 9480i, and 9480i CT SIP IP Phones and the 67xxi Series SIP IP Phones (6730i, 6731i, 6751i, 6753i, 6755i, 6757i, 6757i CT).

For more detailed information about features associated with each phone, and for information on how to use the phones, see your model-specific SIP IP Phone Installation Guide and the SIP IP Phone User Guide. For detailed information about more advanced features, see the SIP IP Phone Administrator Guide.

Topics in this release note include:

- [General Information](#)
(release content, hardware supported, bootloader requirements)
- [New Features in Release 2.5.2](#)
- [Issues Resolved in Release 2.5.2](#)
- [Contacting Aastra Telecom Support](#)

General Information

Release Content Information

This document provides release content information on the Aastra 9143i, 9480i, and 9480i CT SIP IP Phone firmware and the 67xxi Series SIP IP Phone firmware.

Model	Release Name	Release Version	Release Filename	Release Date
6730i	Generic SIP	2.5.2	FC-001240-02-REV04	August 2009
6731i	Generic SIP	2.5.2	FC-001224-03-REV04	August 2009
6751i	Generic SIP	2.5.2	FC-001126-05-REV04	August 2009
6753i	Generic SIP	2.5.2	FC-001086-09-REV04	August 2009
6755i	Generic SIP	2.5.2	FC-001087-10-REV04	August 2009
6757i	Generic SIP	2.5.2	FC-001088-09-REV04	August 2009
6757i CT	Generic SIP	2.5.2	FC-001089-07-REV04	August 2009
9143i	Generic SIP	2.5.2	FC-001092-05-REV04	August 2009
9480i	Generic SIP	2.5.2	FC-001097-05-REV04	August 2009
9480i CT	Generic SIP	2.5.2	FC-001101-05-REV04	August 2009

Hardware Supported

This release of firmware is compatible with the following Aastra IP portfolio products:

- 6730i
- 6731i
- 6751i
- 6753i
- 6755i
- 6757i
- 6757i CT
- 9143i
- 9480i
- 9480i CT

Bootloader Requirements

This release of firmware is compatible with the following Aastra IP portfolio product bootloader versions:

- 6730i - Bootloader 2.4.0.80 or higher
- 6731i - Bootloader 2.4.0.80 or higher
- 6751i - Bootloader 2.0.1.1055 or higher
- 6753i - Bootloader 2.0.1.1055 or higher
- 6755i - Bootloader 2.0.1.1055 or higher
- 6757i - Bootloader 2.0.1.1055 or higher
- 6757i CT - Bootloader 2.0.1.1055 or higher
- 9143i - Bootloader 2.2.0.166 or higher
- 9480i - Bootloader 2.2.0.166 or higher
- 9480i CT - Bootloader 2.2.0.166 or higher

Before you Upgrade

Please Read Before Upgrading Your Phone

If you have a firmware version on your phone prior to 2.3, please read the following IMPORTANT information before upgrading the phones:

- **LLDP is enabled by default.**
If LLDP is enabled on your network, the phones may come up with different network settings. For more information about LLDP, see the *Aastra SIP IP Phone Administrator Guide*.
- **Support for DHCP Options 159 and 160.**
If the DHCP server supplies Options 159 and 160, the phones will attempt to contact the configuration server given in these options. For more information about Options 159 and 160, see the *Aastra SIP IP Phone Administrator Guide*.
- **HTTPS validation.**
If you are using HTTPS and the certificates are not valid or are not signed by Verisign, Thawte, or GeoTrust, the phones fail to download configuration files. For more information about HTTPS validation, see the *Aastra SIP IP Phone Administrator Guide*.
- **Watchdog task feature.**
If the phone detects a failure (for example, a crash), the phone automatically reboots. For more information about the Watchdog feature, see the *Aastra SIP IP Phone Administrator Guide*.



Note: If you factory default a phone with Release 2.3 and above software, when the phone reboots, it attempts to connect to *rca.aastra.com*. There is no personal information transmitted from the phone and the phone continues to boot up as normal.

New Features in Release 2.5.2

Description

This section provides the new features in SIP IP Phone Release 2.5.2. These new features apply to all of the Aastra IP Phones, unless specifically stated otherwise. Each feature also specifies whether it affects the Administrator, the User, or both.

Feature	Description
Usability	
Support for the Russian Character Set (Administrator and User)	The Russian language and input character set are now supported on the IP Phones. Note: This feature is NOT applicable to the 6751i IP Phone and the 6757i CT handset.
Support for the Russian Tone Set and Cadences (Administrator and User)	The IP Phones now support the Russian Tone Set and the Russian Cadences. Note: This feature is NOT applicable to the 6751i IP Phone and the 6757i CT handset.
New "DHSG" Headset Parameter (Administrator)	A new parameter, " dhsg ", allows you to enable or disable the use of a DHSG headset on the phone. The phones that support DHSG are: 6753i, 6755i, 6757i, and 6757i CT.
SIP	
New Parameter to Enable/Disable Route Header in SIP Packet (Administrator)	When an outbound proxy does not support the Route header, the phone was still automatically adding the route header for the outbound proxy and all calls were failing. An Administrator can now set a parameter " sip remove route " in the configuration files to remove the Route header when using outbound proxies. Note: When enabled this will break all support for SIP routing, so if some other device in the network attempts to add itself to the route it will fail.

User Interface Feature

Support for the Russian Character Set

(not applicable on the 6751i and 6757i CT handset)

The IP Phones now allow you to set a Russian language via the IP Phone UI and the Web UI, as well as enable the input of Russian characters via the IP Phone UI. The Russian character set is as follows:

Russian Character Set

Key	Uppercase Characters	Lowercase Characters
0	0	0
1	1.;=,_'&()	1.;=,_'&()
2	АБВГ2ABC	абвг2abc
3	ДЕЁЖЭ3DEF	Деёжэ3def
4	ИЙКЛ4GHI	ийкл4ghi
5	МНОП5JKL	мноп5jkl
6	РСТУ6MNO	рсту6mno
7	ФХЦЧ7PQRS	фхчч7pqrs
8	ШЩЪЫ8TUV	шщъы8tuv
9	ЪЗЮЯ9WXYZ	ъзюя9wxyz
*	* <SPACE>	* <SPACE>
#	#/\@	#/\@



Note: When setting the Russian language and/or the Russian input language on the 3-line LCD phones, only uppercase characters apply.

Support for the Russian Tone Set and Cadences

(not applicable on the 6751i and 6757i CT handset)

Russian Tone Set

The IP Phones now support the Russian Tone Set. You can set the tone set to Russian using the configurations files, the IP Phone UI, or the Aastra Web UI.



Configuring Russian Tone Set Using Configuration Files

Use the following parameter to set the Tone Set on your phone to Russian via the configuration files.

Parameter – tone set	IP Phone UI Aastra Web UI: Configuration Files	Options->Preferences->Tones->Tone Set Basic Settings->Preferences->Ring Tones aastra.cfg, <mac>.cfg
<i>Tone Set</i> (in Web UI)		
Description	Globally sets a tone set for a specific country.	
Format	Text	
Default Value	US	
Range	Australia Brazil Europe (generic tones) France Germany Italy Mexico Russia United Kingdom (UK) US (also used in Canada)	
Example	tone set: Russia	

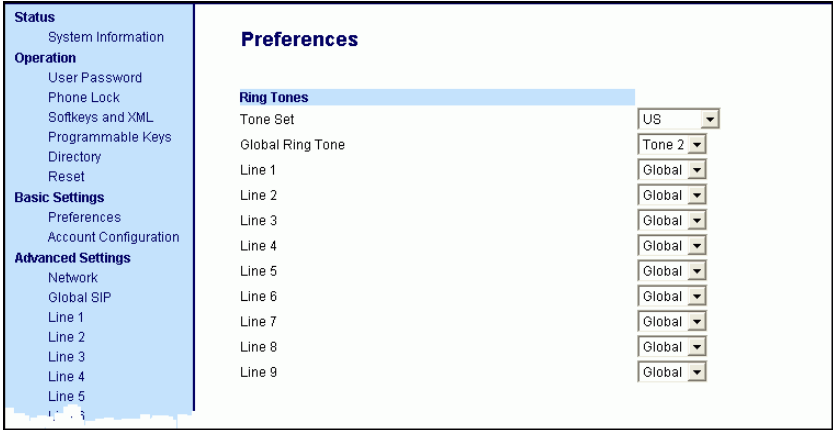

Configuring Russian Tone Set Using the IP Phone UI

Use the following procedure to set the Tone Set on your phone to Russian via the IP Phone UI.

 IP Phone UI	
Step	Action
For global configuration only:	
1	Press  on the phone to enter the Options List.
2	Select Preferences .
3	Select Tones .
4	Select Tone Set .
5	Select Russia as the country for which you want to apply the tone set.
6	Press Done to save the change. The tone set is immediately applied to the IP phone.

Configuring Russian Tone Set Using the Aastra Web UI

Use the following procedure to set the Tone Set on your phone to Russian via the Aastra Web UI. Tone Sets can be set on a global-basis only.

Aastra Web UI	
1	<p>Click on Basic Settings->Preferences.</p> 
2	In the " Ring Tones " section, select Russia from the " Tone Set " field.
3	Click  to save your changes.

Russian Tone Set Cadences

The IP Phones support the following Russian tone set cadences.

Tone	Frequency (Hz, dBm0)	Cadence (ms) tone pause tone	Note
Dial	425, -10		Continuous
Special Dial	425, -10	500/50	Repetitive
Busy	425, -10	500/500	Repetitive
Ringing	425, -10	1000/4000	Repetitive
Congestion	425, -10	200/200	Repetitive
Call Waiting	425, -10	200/600/200	Non-repetitive

New “DHSB” Headset Parameter

You can enable or disable the use of a DHSB headset on the IP phones using the parameter “**dhsg**” in the configuration files, or at the location *Options->Preferences->Set Audio->DHSB* in the IP Phone UI. Default for DHSB is disabled (0) (DHSB support is OFF). The phones that support DHSB are: 6753i, 6755i, 6757i, and 6757i CT.

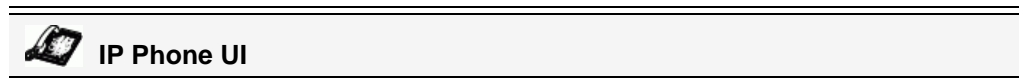
Configuring DHSB Using the Configuration Files


Use the following parameter to enable/disable the DHSB headset support.

Parameter – <i>dhsg</i>	Configuration Files aastra.cfg, <mac>.cfg IP Phone UI: Options->Preferences->Set Audio->DHSB
Description	Enables and disables the DHSB headset support on the phone. Note: The phones that support DHSB are: 6753i, 6755i, 6757i, and 6757i CT.
Format	Boolean
Default Value	0
Range	0 (disable - DHSB support is OFF) 1 (enable - DHSB support is ON)
Example	dhsg: 1

Configuring DHSB using the IP Phone UI

Use the following procedure to configure DHSB using the IP Phone UI.



1. Press  on the phone to enter the Options List.
2. Select **Preferences**.
3. Select **Set Audio**.
4. Select **DHSB** and toggle the DHSB support ON or OFF.

SIP Feature

New Parameter to Enable/Disable Route Header in SIP Packet

The IP Phones now support a new parameter called “**sip remove route**”. This parameter enables or disables the addition of the Route header in a SIP packet.

An Administrator can use this parameter via the configuration files only.

Parameter – <i>sip remove route</i>	Configuration Files aastra.cfg, <mac>.cfg
Description	Enables and disables the addition of the Route header in a SIP packet. Enable this parameter for outbound proxies that do not support Route headers. Note: When enabled this will break all support for SIP routing, so if some other device in the network attempts to add itself to the route it will fail.
Format	Boolean
Default Value	0
Range	0 (disable - adds the Route header to the packet) 1 (enable - removes the Route header from the packet)
Example	sip remove route: 1

Issues Resolved in Release 2.5.2

This section describes the issues resolved on the IP Phones in Release 2.5.2. The following table provides the issue number and a brief description of each fix.



Note: Unless specifically indicated, these resolved issues apply to all phone models.

Release 2.5.2

Issue Number	Description of Fix
User Interface	
ENH17525	6753i: Previously, you could not delete single items from the Redial List on the 6753i; it only allowed you to delete the entire Redial List. Now you can delete single items from the Redial List by pressing the DELETE programmable key (key 2) twice.
DEF17441	From the IP Phone UI, you can now enter greater than 13 digits for a Call Forward destination.
DEF17524	When the speeddial keys are locked on the keypad, a user can no longer edit or add speeddials from the IP Phone keypad. Also, if speeddials are not locked, and you edit or add a speeddial from the keypad, after saving the speeddial, the screen goes back to the previous menu.
SIP	
DEF17230	Reason header now supports multiple reason values so the missed call counter now increments as expected if calls are missed for specific reasons.
DEF17620	BLF: Phone now resends SUBSCRIBE after a 401-503-401 sequence.
Usability	
ENH17318	675xi: The 675xi phones now include speakerphone full-duplex tuning enhancements.
DEF17523	When a call is placed on hold on Line 1, and the user selects Line 2, then enters the Local Directory stored on the phone, selects a number to dial and then presses the Dial softkey, the display on the phone shows letters instead of numbers as the phone dials. This has been corrected, and the phone now displays the actual number being dialed.
DEF17527	When there was an active on-hold call on the phone, and the caller then accessed the Directory on the phone from another line and tried automatic dialing that number, the number would dial incorrectly. In this case, phone was not checking to see if call forwarding was disabled and was inserting an incorrect key press. This behaviour has been corrected, and dialing from the local directory when another active on-hold call is on the phone now works correctly..
DEF17602	When a user makes a speaker phone call using G722 to another phone, then presses mute, and switches to Line 2 to make another speaker phone call, the second call indicated that it was muted, but the second callee can hear the other caller. The Mute on speaker no longer fails on the second call when using G722.

Issues Resolved in Release 2.5.2

Issue Number	Description of Fix
DEF17637	<p data-bbox="391 249 1459 338">6730i and 6731i: The first incoming call was made to Phone A and the call was answered. Phone A call is put "On Hold". A second incoming call was made to Phone A and the call was not answered. However, L1 was pressed on Phone A to take back the call that was "On Hold".</p> <p data-bbox="391 369 1459 457">The incoming caller to Phone A can hear from the speakerphone but Phone A gets no audio from this caller. The 2-way audio can only be recovered by pressing the speakerphone key followed by disabling the speakerphone key. Then the 2-way audio performed correctly.</p> <p data-bbox="391 489 1459 520">In Release 2.5.2, the phones now have audio after picking up the "On Hold" call.</p>
ENH18386	673xi: 673xi phones now include audio tuning changes to improve speakerphone voice quality.

Contacting Aastra Telecom Support

If you've read this release note, and consulted the Troubleshooting section of your phone model's manual and still have problems, please send inquiries via email to support@aastra.com.

Generic SIP IP Phone Models 9143i, 9480i, 9480i CT, and 67xxi Series

2.5.2 Release Notes

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