

Software Release Note

Vocality Gateway Suite 8.4.4

Date of software release: 13th August 2025

Release Note date: 13th August 2025

Release Note version: 1.1

Release Identification: 8.4.4-91f77b5d07

Purpose of Release

The key purpose of the release is to fix a number of customer SIP issues.

Document History

<u>Version</u>	<u>Date</u>	<u>Details</u>
1.0	13th August 2025	Initial Draft

Hardware Affected

This release is targeted to all versions of Cubic's RoIP, M3X RoIP and M3-SE-MFGW.

Pre-Requisites

This release should only be installed on Cubic's RoIP products currently running release 4.17.2 and later.

For earlier releases, please use the [Software Portal](#) to upgrade to 4.17.2 first.

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Upgrade Instructions

This software release will only upgrade from the 8.2.2 release, or later, due to a change in the image encryption.

Enhancements

- A new audio buffer option has been added to the input settings on each audio port. The default is 0 (not used) and it can range up to a maximum of 2.5 seconds.
 - The option can be configured on the UI and RESTful API
 - When in use, the rest of the software reacts as before to audio being detected, but the actual audio is delayed by the configured amount. This enables certain operations to be performed (e.g. establishing a SIP call) while buffering the audio, so the start of the audio is not lost.
- Removed “transport=tls” from SIP invite for secure SIP calls, as it has been deprecated and sips prefix is sufficient.

Bug Fixes

- When there are failures to connect to the cellular network, the first retry is after 1 minute, with an exponential backoff up to a maximum of 4 hours. When a manually configured APN was being used, this timer didn’t reset after a successful connection. This could result in waiting 4 hours before attempting to reconnect after the next failure. This has now been corrected.
- When the SIP contact header changes (e.g. after re-registration) all active calls on the account are updated with the new contact header.
 - Please note that if the call is incoming, a reinvite will be sent when the contact header changes. This will be addressed in 9.0.0, where the reinvite won’t be required.
- In 8.0.0 a nightly script was introduced to check for overly large log files and remove / truncate them. This is to ensure the unit does not run out of RAM. It was not operating correctly, resulting in large log files remaining on the device. This has now been resolved.

Component Version Numbers

Changes highlighted.

- vocality_api-2.2.2
- vocality_database-1.3.0
- vocality_dispatch-1.6.0
- vocality_filesystem-1.1.1
- vocality_mcpttgateway-2.0.2
- vocality_modemupgrade-1.2.8
- vocality_multibearer-3.4.2
- vocality_nodemanager-4.17.5
- vocality_nodeui-4.19.2

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- vocality_password-1.1.2
- vocality_picfirmware-1.1.0
- **vocality_radiogateway-5.0.6**
- vocality_registry-3.4.0
- vocality_registryclient-3.4.0
- **vocality_release-8.4.4**
- vocality_secure-4.2.3
- vocality_serial-3.2.1
- vocality_utils-2.2.3

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