LTE Standard QuecOpen Audio Volume Adjustment API Introduction

LTE Standard Module Series

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About the Document

Revision History

Version	Date	Author	Description
1.0	2020-04-15	Gale GAO	Initial

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1 Introduction

Quectel LTE Standard modules support QuecOpen® solution. This document introduces the APIs related to the audio volume adjustment of the LTE Standard QuecOpen modules. With the help of this document, customers can quickly apply related functions.

1.1. Applicable Modules

Table 1: Applicable Modules

Module Series	Module
EC2x series QuecOpen	EC25 series QuecOpen
	EC21 series QuecOpen
	EC20 R2.1 QuecOpen
EG9x series QuecOpen	EG95 series QuecOpen
	EG91 series QuecOpen
EG25-G QuecOpen	EG25-G QuecOpen

2 Audio Volume API Introduction

2.1. Playback Volume Adjustment

2.1.1. Function

Read Function	*ql_audplay_gain_read*
Description	Read playback volume of the module.
Write Function	*ql_audplay_gain_write*
Description	Set playback volume of the module.

2.1.2. Routine

Routine	*example_audplay_gain.c*

2.2. Recording Volume Adjustment

2.2.1. Function

Read Function	*ql_audrd_gain_read*
Description	Read recording volume of the module.
Write Function	*ql_audrd_gain_write*
Description	Set recording volume of the module.

2.2.2. Routine

Routine	*example_audrd_gain.c*

2.3. Call Volume Level Adjustment

2.3.1. Function

Read Function	*ql_clvl_read*
Description	Read volume level of the module.
Write Function	*ql_clvl_write*
Description	Set volume level of the module.

2.3.2. Routine

Routine	*example_clvl.c*

2.4. Uplink Volume Adjustment in the Call

2.4.1. Function

Read Function	*ql_mic_gain_read*
Description	Read the uplink volume of the module in the call.
Write Function	*ql_mic_gain_write*
Description	Set the uplink volume of the module in the call.

2.4.2. Routine

Routine	*example_qmic.c*

2.5. Downlink Volume Adjustment in the Call

2.5.1. Function

Read Function	*ql_spk_gain_read*
Description	Read the downlink volume of the module in the call.
Write Function	*ql_spk_gain_write*
Description	Set the downlink volume of the module in the call.

2.5.2. Routine

Routine	*example_qspk.c*

2.6. Side Tone Volume Adjustment

2.6.1. Function

Read Function	*ql_sidet_read*
Description	Read side tone volume of the module.
Write Function	*ql_sidet_write*
Description	Set side tone volume of the module.

2.6.2. Routine

Routine	*example_sidet.c*

3 Appendix A Reference

Table 2: Terms and Abbreviations

Abbreviation	Description
API	Application Programming Interface