AMP523 Commands user manual

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Introduction

Welcome to the command user manual of the AUDAC AMP523 . For more info about the AMP523 see the AMP523 manual.

Input list

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Using the commands

The AMP523 has three communication ports which all accept the same commands:

RS232 port
RS485 ports
TCP/IP

The RS232/RS485 ports must be configured with 19200 baud, 8 data bits, 1 stop bit, no parity

The TCP/IP port accepts command's at port 5001. The AMP523 accepts maximum 3 simultaneous TCP/IP connections.

Command overview

Startsymbol|destination|source|command|argument's|checksum|stopsymbol

Example: Set volume X001 zone 1 to –30dB
ASCII #|X001|F001|SV01|30|58ab|return

Important

– The address of the AMP523 is fixed at X001.
– The checksum is CRC–16 excluding the '#'. You can replace the checksum with 'U', this is always accepted as checksum.
– return = 0x0d 0x0a

Command flow

1) The client sends a command to the AMP523
2) The AMP523 acknowledges the command by returning the same command and a '+' as Argument.
3) The AMP523 updates all client's with the new information

All volume, routing and tone settings will be lost if the device is switched off. To keep the changes you must save them with the "SAVE" command. All device settings that are configured through the configuration page of the website are saved with every change automatically.

SV01

Set output volume to a level
Command: SV01,
Arguments: Volume in neg dB, 0 is maximum volume, 80 is minimum volume

Example
Set volume in zone 2 to –30dB
Command *#|X001|F001|SV01|30|58ab|return*
Answer *#|F001|X001|SV01|+|ead6|return*
Update *#|ALL|X001|V01|30|aa95|return*

SVU01

Set volume up with 3dB
Command: SVU01,
Arguments: 0 (none)

Example
Current is Volume –30dB, set volume up with 3dB
Command *#|X001|F001|SVU01|0|d6b9|return*
Answer *#|F001|X001|SVU01|+|c6c6|return*
Update *#|ALL|X001|V01|27|5ac6|return*

SVD01

Set volume down with 3dB
Command: SVD01
Arguments: 0 (none)

Example
Current volume is –27dB, set volume down with 3dB
Command *#|X001|F001|SVD01|0|97ba|return*
Answer *#|F001|X001|SVD01|+|87c57|return*
Update *#|ALL|X001|V01|30|aa95|return*

SVL

Set volume WLI input
Command: SVL
Arguments: Volume in neg dB, 0 is maximum volume, 80 is minimum volume

Example
Set WLI volume to –20 dB
Command *#|X001|F001|SVL|20|9f85|return*
Answer *#|F001|X001|SVL|+|deed|return*
Update *#|ALL|X001|VL|20|20c3|return*

SVM

Set volume Mic/WMI input

Command: SVM

Arguments: Volume in neg dB, 0 is maximum volume, 80 is minimum volume

Example

Set Mic/WMI volume to –30dB

Command	*#|X001|F001|SVM|30|9fe9|return*
Answer	*#|F001|X001|SVM|+|22ec|return*
Update	*#|ALL|X001|VM|30|20af|return*

GSA

Get website main screen settings

Command: GSA

Arguments: 0 (none)

Example

Get all settings from main screen

Command	*#|X001|F001|GSA|0|6964|return*
Answer	*#|F001|X001|SA|0^0^1^30^0^7^7|5f17|return*
Update	*none, nothing changed*

Argument 1: WLI volume	(0dB)
Argument 2: Mic/WMI volume	(0dB)
Argument 1: Routing	(input 1)
Argument 1: Output volume	(–30dB)
Argument 1: Mute	(Mute disabled)
Argument 1: Bass	(0dB)
Argument 1: Treble	(0dB)

SR01

Set routing (select input)

Command: SR01

Arguments: input

Example

Select input 3

Command	*#|X001|F001|SR01|3|5aa2|return*
Answer	*#|F001|X001|SR01|+|6ed74|return*
Update	*#|ALL|X001|R01|3|e5e4|return*

SRU01

Set Routing up

Command: SRU01
Arguments: 0 (none)

Example

Increase routing

Command	*#|X001|F001|SRU01|0|16fc|return*
Answer	*#|F001|X001|SRU01|+|0683|return*
Update	*#|ALL|X001|R01|5|45e7|return*

SRD01

Set Routing down

Command: SRD01
Arguments: 0 (none)

Example

Decrease routing

Command	*#|X001|F001|SRD01|0|57ff |return*
Answer	*#|F001|X001|SRD01|+|4780 |return*
Update	*#|ALL|X001|R01|4|d5e6 |return*

SB01

Set bass

Command: SB01
Arguments: from 0 to 14. (from –14dB to +14dB with 7 = 0dB)

Example

Set bass to +2dB

Command	*#|X001|F001|SB01|8|faa7|return*
Answer	*#|F001|X001|SB|+|1d2f|return*
Update	*#|ALL|X001|B|8|ed58|return*

ST01

Set treble

Command: ST01
Arguments: from 0 to 14. (from –14dB to +14dB with 7 = 0dB)

Example

Set treble to –4dB

Command	*#|X001|F001|ST01|5|9ca1|return*
Answer	*#|F001|X001|ST01|+|08d7|return*
Update	*#|ALL|X001|T01|5|23e7|return*

SM01

Set mute state in a zone

Command: SMXX
Arguments: 0 (disable) or 1 (enable)

Example

Enable mute in zone 1

Command	*#|X001|F001|SM01|1|55a1|return*
Answer	*#|F001|X001|SM01|+|01d5|return*
Update	*#|ALL|X001|M01|1|eae7|return*

SAVE

Save's the current zone settings (routing, volume, bass, treble)

Command: SAVE
Arguments: 0 (none)

Example

Command	*#|X001|F001|SAVE|0|f1b3|return*
Answer	*#|F001|X001|SAVE|+|35c6|return*
Update	*none, nothing changed*

DEF

All zone settings and device settings will be reset to factory default.

Command: DEF
Arguments: 0 (none)

Example

Command	*#|X001|F001|DEF|0|ed2c|return*
Answer	*#|F001|X001|DEF|+|e268|return*
Update	*none*

GSV

Get the software version of the DSP board

Command: GSV
Arguments: 0 (none)

Example

Command	*#|X001|F001|GSV|0|dd61|return*
Answer	*#|F001|X001|SV|V1.1|8663|return*
Update	*none, nothing changed*