

# RM523 RS232 Command List

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# Introduction

Welcome to the command user manual of the AUDAC RM523 . For more info about the RM523 see the RM523 manual.

## Input list

- 1 Line 1
- 2 Line 2
- 3 Line 3
- 4 Line 4
- 5 WLI-WMI/MIC

# Using the commands

The RM523 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 commands at port 5001. The RM523 accepts maximum 3 simultaneous TCP/IP connections.

## Command overview

Startsymbol|destination|source|command|argument's|checksum|stop symbol

Example: Set volume R001 zone 1 to -30dB  
ASCII #IR001IF001ISV01I30I58ablreturn

## Important

- The address of the RM523 is fixed at R001.
- 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 RM523
- 2) The RM523 acknowledges the command by returning the same command and a '+' as Argument.
- 3) The RM523 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 -40dB

Command *#IR001IF001ISV01I30I58abIreturn*

Answer *#IF001IR001ISV01I+Ilead6Ireturn*

Update *#IALLIR001IV01I30Iaa95Ireturn*

## SVU01

Set volume up with 3dB

Command: SVU01,

Arguments: 0 (none)

Example

Current is Volume -30db, set volume up with 3dB

Command *#IR001IF001ISVU01I0Id6b9Ireturn*

Answer *#IF001IR001ISVU01I+Ic6c6Ireturn*

Update *#IALLIR001IV01I27I5ac6Ireturn*

## SVD01

Set volume down with 3dB

Command: SVD01

Arguments: 0 (none)

Example

Current volume is -27db, set volume down with 3dB

Command *#IR001IF001ISVD01I0I97baIreturn*

Answer *#IF001IR001ISVD01I+I87c57Ireturn*

Update *#IALLIR001IV01I30Iaa95Ireturn*

## 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 *#IR001IF001ISVL20I9f85Ireturn*

Answer *#IF001IR001ISVL+IdeedIreturn*

Update *#IALLIR001IVL20I20c3Ireturn*

## 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 `#IR001IF001|SVM|30|9fe9|return`

Answer `#IF001IR001|SVM|+|22ec|return`

Update `#|ALL|IR001|VMI|30|20af|return`

## GSA

Get website main screen settings

Command: GSA

Arguments: 0 (none)

Example

Get all settings from main screen

Command `#IR001IF001|GSA|0|6964|return`

Answer `#IF001IR001|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 `#IR001IF001|SR01|3|5aa2|return`

Answer `#IF001IR001|SR01|+|6ed74|return`

Update `#|ALL|IR001|R01|3|e5e4|return`

## SRU01

Set Routing up

Command: SRU01

Arguments: 0 (none)

Example

Increase routing

Command *#IR001IF001ISRU01I0I16fcIreturn*

Answer *#IF001IR001ISRU01I+I0683Ireturn*

Update *#IALLIR001IR01I5I45e7Ireturn*

## SRD01

Set Routing down

Command: SRD01

Arguments: 0 (none)

Example

Decrease routing

Command *#IR001IF001ISRD01I0I57ff Ireturn*

Answer *#IF001IR001ISRD01I+I4780 Ireturn*

Update *#IALLIR001IR01I4Id5e6 Ireturn*

## SB01

Set bass

Command: SB01

Arguments: from 0 to 14. (from -14dB to +14db with 7 = 0dB)

Example

Set bass to +2dB

Command *#IR001IF001ISB01I8Ifaa7Ireturn*

Answer *#IF001IR001ISBI+I1d2fIreturn*

Update *#IALLIR001IBI8Ied58Ireturn*

## ST01

Set treble

Command: ST01

Arguments: from 0 to 14. (from -14dB to +14db with 7 = 0dB)

Example

Set treble to -4dB

Command *#IR001IF001IST01I5I9ca1Ireturn*

Answer *#IF001IR001IST01I+I08d7Ireturn*

Update *#IALLIR001IT01I5I23e7Ireturn*

## SM01

Set mute state in a zone

Command: SMXX

Arguments: 0 (disable) or 1 (enable)

Example

Enable mute in zone 1

Command *#IR001IF001ISM011155a1return*

Answer *#IF001IR001ISM011+101d5return*

Update *#/ALLIR001IM0111eae7return*

## SAVE

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

Command: SAVE

Arguments: 0 (none)

Example

Command *#IR001IF001ISAVE10f1b3return*

Answer *#IF001IR001ISAVE1+135c6return*

Update *none, nothing changed*

## DEF

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

Command: DEF

Arguments: 0 (none)

Example

Command *#IR001IF001IDEF10ed2creturn*

Answer *#IF001IR001IDEF1+1e268return*

Update *none*

## GSV

Get the software version of the DSP board

Command: GSV

Arguments: 0 (none)

Example

Command *#IR001IF001IGSV10idd61return*

Answer *#IF001IR001ISVIV1.118663return*

Update *none, nothing changed*