



BMA 360D Commands

Supported Products:

BMA 360D

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Contents

1. CONCEPTS	4
1.1 Introduction.....	4
1.2 Connection Properties.....	4
2. BEAMREPORT	5
3. BREPORT	5
4. BFZONE.....	5
5. DANTEIP.....	5
6. DANTEMAC	5
7. GAIN	6
8. HELP.....	6
9. IPADDR.....	6
10. LBO.....	6
11. LEDBLINK	6
12. LEDBRIGHT.....	7
13. LEDCOLOR.....	7
14. LOCATE	7
15. MACADDR.....	7
16. MUTE	8
17. NAME	8
18. RESET	8
19. SERIAL	8
20. VER	8

1. Concepts

1.1 Introduction

This document describes communication parameters, text commands and associated responses available with the BMA 360D.

1.2 Connection Properties

Establish a TCP connection using the IP address of the BMA 360D and port #3603.

For testing purposes, a terminal emulator, such as Tera Term, can be used to test the commands.

Tera Term: New connection

TCP/IP

Host: 10.101.24.188

History

Service: Telnet

SSH

Other

TCP port#: 3603

SSH version: SSH2

IP version: AUTO

Serial

Port:

OK Cancel Help

To see typed characters, Local Echo must be enabled in your terminal emulation software.

To see a list of all the commands type HELP and press return.

For guidance on specific commands, type the command name followed by a question mark.

Example:

VER ?”

2. BEAMREPORT

Generates a single all beam report of current activity status.

Query format: BEAMREPORT

Response format: BEAMREPORT [b12][b11][b10][b9][b8][b7][b6][b5][b4][b3][b2][b1]

[bx] = 1 Active beam, 0 = Inactive beam

3. BREPORT

Initiate or halt continuous reporting of active beams.

Command format: BREPORT [x]

[X] = 0 Report disable, 1 Report averaged active beam, 2 Fast reporting of active beams

Query format: BREPORT

Response format: BEAMREPORT [b12][b11][b10][b9][b8][b7][b6][b5][b4][b3][b2][b1]

[bx] = 1 Active beam, 0 = Inactive beam

4. BFZONE

Enable/disable specific beams.

Command format: BFZONE [beam] [enable]

[beam] = 1 to 12

[enable] 1 = on, 0 = off

Query format: BFZONE [beam]

Response format: BFZONE [beam] [enable]

5. DANTEIP

Reports the IP address of the Dante interface.

Query format: DANTEIP

Response format: DANTEIP [IP address}

6. DANTEMAC

Reports the MAC address of the Dante interface.

Query format: DANTEMAC

Response format: MACADDR [MAC address]

7. GAIN

Adjust or query gain settings of the SmartMix output, Speaker outputs, or AEC reference input.

Command format: GAIN [channel] [group id] [value]

[channel] = 1 to 4

[group id] V = SmartMix, S = Speaker, R = AEC reference

[value] = -65 to 20

Query format: GAIN [channel] [group id]

Response format: GAIN [channel] [group id] [value]

8. HELP

Shows all text commands in alphabetical order.

Query format: HELP

Response format: [Available command list]

9. IPADDR

Reports the IP Address assigned for control interface.

Query format: IPADDR

Response format: IPADDR [IP Address]

10. LBO

Last Beam On, adjust or query if the Last Beam active will be reported when queried.

Command format: LBO [enable]

[enable] 1 = On, 0 = Off

Query format: LBO

Response format: LBO [enable]

11. LEDBLINK

Adjust or query LED blinking for a given condition.

Command format: LEDBLINK [state] [blink]

[state] 1 = Muted, 0 = Unmuted

[blink] 1 = On, 0 = Off

Query format: LEDBLINK [state]

Response format: LEDBLINK [state] [blink]

12. LEDBRIGHT

Adjust or query LED brightness for a given condition.

Command format: LEDBRIGHT [state] [bright]

[state] 1 = Muted 0 = Unmuted

[bright] 0 = Off, 1 = High, 2 = Medium, 3 = Low

Query format: LEDBRIGHT [state]

Response format: LEDBRIGHT [state] [bright]

13. LEDCOLOR

Adjust or query LED color for a given condition.

Command format: LEDCOLOR [state] [color]

[state] 1 = Muted, 0 = Unmuted

[color] 1 = Red, 2 = Orange, 3 = Yellow, 4 = Green, 5 = Blue, 6 = Indigo, 7 = Violet, 8 = White

Query format: LEDBRIGHT [state]

Response format: LEDCOLOR [state] [color]

14. LOCATE

Initiate or query the BMA 360D locate LED mode.

Command format: LOCATE [name] [enable]

[name] = The programmed BMA name

[enable] 1 = enable locate mode, 2 = disable locate mode

Query format: LOCATE

Response format: LOCATE [name] [enable]

15. MACADDR

Query the MAC address for the control IP interface.

Query format: MACADDR

Response format: MACADDR [MAC Address]

16. MUTE

Adjust or query mute settings of the BMA 360D microphone, individual beam silencing status, individual speaker channels or AEC reference input.

Command format: MUTE [channel] [group id] [value]

[channel] = 1 to 12

[group] V = SmartMix, S = Speaker, B = Beam (Silenced status), R = AEC Reference

[Value] 1 = Muted/Silenced, 0 = Unmuted

Query format: MUTE [channel] [group id]

Response format: MUTE [channel] [group id] [value]

17. NAME

Adjust or query the Device Name.

Command format: NAME [string]

[string] = Text up to 40 characters.

Query format: NAME

Response format: NAME [string]

18. RESET

Causes a soft resets of the BMA 360D and retains all settings.

Command format: RESET

Response format: RESET

19. SERIAL

Returns the serial number of the BMA 360D .

Query format: SERIAL

Response: [Serial Number]

20. VER

Return the firmware revision of the BMA 360D .

Query format: VER

Response format: VER [version number]