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▶ CONTROL PROTOCOL FOR 7.1. HIGH DEFINITION BASS MANAGEMENT™

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### Introduction

This document contains the control protocol for use on the 7.1 Channel High Definition Bass Manager found in products such as the KH 810 and KH 870 subwoofers.

### Control Protocol

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KH 810 / KH 870 RS-232 Protocol Description, Firmware Rev. 1.8 and higher  
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#### Settings:

Baudrate	19200
Data Bits	8
Parity	No
Stop Bits	1
Handshake	No

#### Write Commands:

Setvol=X.XX	(-95dB < X.XX < +20dB, inc.=0.25)
Setdim=[]	( ON / OFF )
setmute=[]	( ON / OFF )
setmute_left=[]	( ON / OFF )
setmute_center=[]	( " / " )
setmute_right=[]	( " / " )
setmute_leftsur=[]	( " / " )
setmute_rightsur=[]	( " / " )
setmute_leftback=[]	( " / " )
setmute_rightback=[]	( " / " )
setmute_sub=[]	( " / " )
settrim_left=X.XX	(-12dB < X.XX < +12dB, inc.=0.25)
settrim_center=X.XX	( " " " " " )
settrim_right=X.XX	( " " " " " )
settrim_leftsur=X.XX	( " " " " " )
settrim_rightsur=X.XX	( " " " " " )
settrim_leftback=X.XX	( " " " " " )
settrim_rightback=X.XX	( " " " " " )
settrim_sub=X.XX	( " " " " " )
bassmgt=[]	( ON / OFF )
rearbassmgt=[]	( ON / OFF )
lfe+10db=[]	( ON / OFF )
factres	(reset all settings to factory values)



Read Commands:

```
getvol                (read-only)

getmute_left          (read-only)
getmute_center        (read-only)
getmute_right         (read-only)
getmute_leftsur       (read-only)
getmute_rightsur      (read-only)
getmute_leftback      (read-only)
getmute_rightback     (read-only)
getmute_sub           (read-only)

gettrim_left          (read-only)
gettrim_center        (read-only)
gettrim_right         (read-only)
gettrim_leftsur       (read-only)
gettrim_rightsur      (read-only)
gettrim_leftback      (read-only)
gettrim_rightback     (read-only)
gettrim_sub           (read-only)

getver                Firmware Revision No. (read-only)

getopt                (reads type of input option installed: ANA/DIM4)
```

```
=====
(end)
=====
```

**Version history**

**v.1.8**

Baud rate increased from 9600 to 19200

Added **factres** function

Added **getopt** function

**v.1.1**

First public version issued

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