B80-BMB1 MOTHERSHIP

BMB1 Rev C Rom 2

Quick Start Guide
Getting Started:

1. **REGISTER!** Please take a moment to register serial numbers for your B80 Chassis, all Daughter Cards, and BP-300. **You must register to activate your warranty.** To register, please visit: [www.burlaudio.com/register](http://www.burlaudio.com/register)

2. **Check Jumper Settings on BMB1**
   - Find H6 on the BMB1 Motherboard, as shown in Image 1 below.
   - Jumper settings will determine the **input / output configuration** for your B80 MOTHERSHIP Chassis. Use the following examples (a - d) to determine which setting to use based on your configuration.
   - Jumper positions 1 and 2 determine input mapping (BAD4, BAD8)
   - Jumper positions 3 and 4 determine output mapping (BDA8)
   - Jumper positions 6 and 7 are NULL, default

<table>
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<th>1</th>
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<th>3</th>
<th>4</th>
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<th>7</th>
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<td>25..32</td>
<td>33..40</td>
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<td>57..64</td>
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**Image 1:** Locating the H6 Header on BMB1 Motherboard. From the rear of the chassis, BMB1 is on the far left. The H6 Header is highlighted. In this example, jumpers are on 6 and 7.
See B80 BMB1 User Manual for more details.

**a. BMB1 example jumper settings for a 24in x 32out system using BAD4 and BDA8 Daughter Cards**

![Image 2](image2.jpg)

**Image 2:** This is an example of a 24 in, 32 out MOTHERSHIP with BAD4s and BDA8s. In this example, inputs 1-4 are found in slot 1, outputs 1-8 are found in slot 7.

![Image 3](image3.jpg)

**Image 3:** Jumper on 6 and 7 for BMB1 Rev C Rom 2 support BAD4 and BDA8.

**b. BMB1 example jumper settings for a 40in x 40out system using BAD8 and BDA8 Daughter Cards**

![Image 4](image4.jpg)

**Image 4:** This is an example of a 40 in, 40 out MOTHERSHIP with BAD8 and BDA8 Daughter Cards.

![Image 5](image5.jpg)

**Image 5:** Jumper on 1 and 3 for BMB1 Rev C Rom 2 support BAD8 and BDA8.
c. BMB1 example jumper settings for a 32in x 32out system using BAD8, BDA8, BAES4 and BCLK daughter cards

Image 6: This is an example of a 32 in, 32 out MOTHERSHIP with BAD8s, BDA8s, BAES4, and BCLK Daughter Cards.

d. BMB1 Jumper Settings for 16in X 64out system using BAD8s and BDA8 daughter cards

Image 8: This is an example of a 16 in, 64 out MOTHERSHIP with BAD8 and BDA8 Daughter Cards.

Image 9: Jumper on 1 and 4 for BMB1 Rev C Rom 2 for BAD4 and BDA8.
3. **Install Daughter Cards**

   ![Image 10: Inserting Daughter card into the card guides.](image10)
   ![Image 11: Attaching ribbon cable to front pane](image11)

   *Note: For more information on installing Daughter Cards, please go to: www.burlaudio.com/b80-quick-start-video*

4. **Install Vents**
   - Install the 1U vents above and below the B80 Chassis. The MOTHERSHIP **MUST** run with proper ventilation.
   - Failure to properly vent the MOTHERSHIP chassis above and below may cause failure, and will void the warranty.

   ![Image 12: B80 MOTHERSHIP with 1U vents above and below for proper air flow.](image12)

5. **Connect Digilink Port 1 to Core Card**
   - Each Digilink Port on the BMB1 can run up to 32 ins/outs.
   - If you have 32 I/O of less, you only need to use port 1.
   - If you have more than 32 I/O, use ports 1 and 2.
   - Both Ports on the BMB1 are primary ports.

6. **Set BMB1 Front Panel to DAW for use with Pro Tools**
   - When using B80 internal clock, set the CLOCK CONTROL to DAW, which allows Pro Tools to change sample rate.
   - If using external clock, set to EXT.
7. Input Assignments

- B80 Ch. 1-16 are HDIO#1 Ch. 1-16
- B80 Ch. 17-32 are HDIO#2 Ch. 1-16
- B80 Ch. 33-48 are HDIO#3 Ch. 1-16
- B80 Ch. 49-64 are HDIO#4 Ch. 1-16

8. Output Assignment

- B80 Ch. 1-16 are HDIO#1 Ch. 1-16
- B80 Ch. 17-32 are HDIO#2 Ch. 1-16
- B80 Ch. 33-48 are HDIO#3 Ch. 1-16
- B80 Ch. 49-64 are HDIO#4 Ch. 1-16