B16-BMB6
MOTHERSHIP

BMB6 Rear Panel: DSUB25 AES/EBU (Tascam format)

Quick Start Guide

Revision 1 January 22, 2020

GETTING STARTED

1. Register

Please register serial numbers for your B16 MOTHERSHIP chassis, and all Daughter Cards. You *must* register to activate your warranty! Please visit: **www.burlaudio.com/register**.

NOTE: Most B16s come pre-assembled. If not, follow steps 2 to 6 for assembly.

2. Remove Lid

1. Remove 9 screws on top and 2 on each side (**Image 1**).
2. Push lid up to remove from empty card slot (**Image 2**).

Image 1: Top view shows location of 4 screws on side before removing the lid.

Image 2: Push lid up.

3. Check Jumper Settings On BMB6

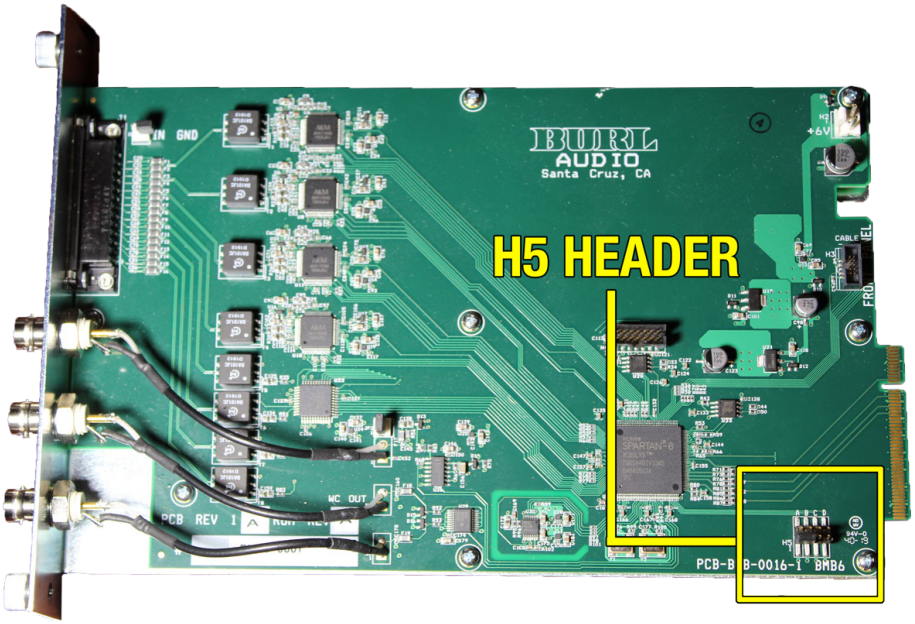

Image 3: Locate the **H5 Header** on BMB6 Motherboard.

DEFAULT JUMPER SETTING:

4 or 8 inputs for slot 1 and 4 or 8 outputs for slot 2 as shown below.

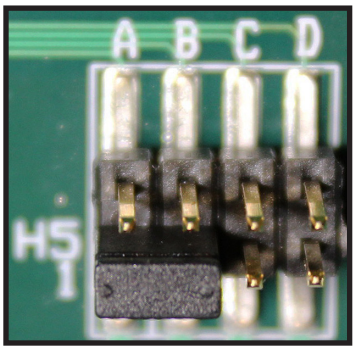

Image 4: Default setting

Image 5: B16-BMB6 MOTHERSHIP with a BAD8 for 8 inputs, and a BDA8 for 8 outputs.

JUMPER SETTING EXAMPLE: Jumper on A

Jumper set for input channels 1-4 in slot 1, and input channels 5-8 in slot 2 or output channels 1-4 in slot 1, and output channels 5-8 in slot 2 as shown below.

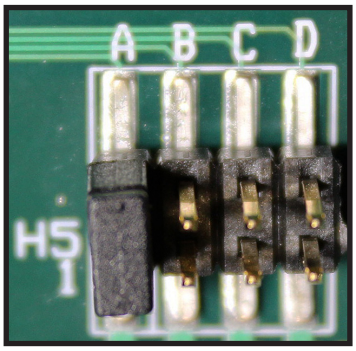

Image 6: Jumper is on A.

Image 7: B16-BMB6 MOTHERSHIP with B4s in slots 1 and 2 for 8 total inputs.

Image 8: B16-BMB6 MOTHERSHIP with BDA4s in slots 1 and 2 for 8 total outputs.

4. Install Daughter Cards

1. See card slot numbers and corresponding Inputs and Outputs on **page 3**.
2. Daughter Cards will ship with wire assemblies already attached to the Daughter Cards.
3. Make sure the card is inserted into the card guides and properly connects to the backplane.
4. Pull cables through to the front for connection to the faceplate.

5. Attach Ribbon Cables To Faceplate

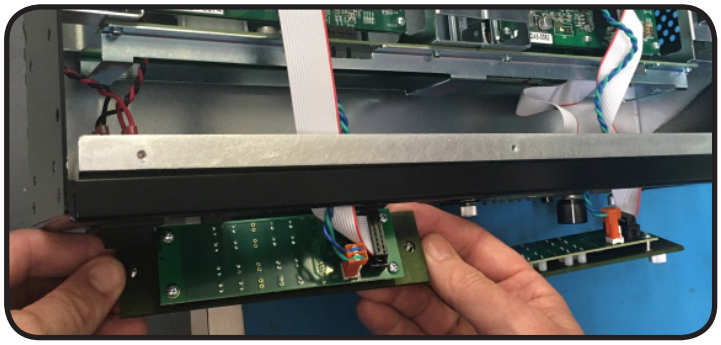

Image 11: Connect ribbon cable and 2 pin connector, where applicable.

6. Re-attach Lid With All Screws

7. Install Vent ABOVE B16 Chassis

Image 12: 1U vent above B16 chassis allows for proper ventilation.

Important Installation Notes:

1. Install the 1U vents above the B16 chassis. The MOTHERSHIP MUST run with proper ventilation.
2. Failure to properly vent the MOTHERSHIP chassis above and below may cause failure, and will void the warrenty.

8. Clocking

The B16-BMB clocks off of Internal Clock, External Word Clock or AES Channels 1/2. For best results, we recommend clocking off of **INT**, Internal Clock.