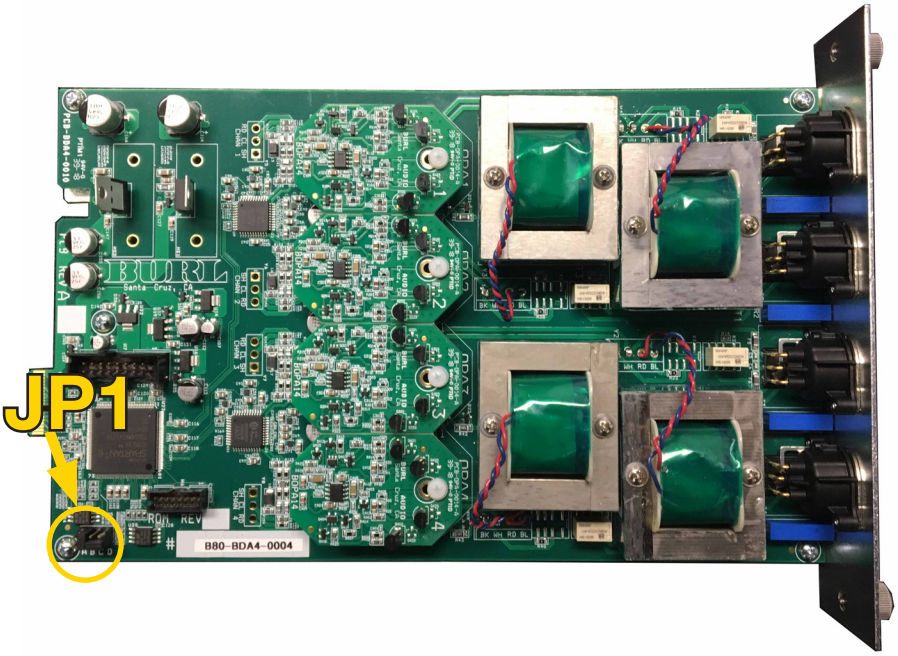
BDA4
DAUGHTER CARD



Quick Start Guide

Revision 1.1 November 20, 2018

Important information regarding BDA4 latency:

The BDA4 uses jumpers on “JP1” (as shown on cover) to adjust 2 variables: DAC filter selection, and AVID HDIO delay matching.

Jumper Settings for “JP1”

Jumper A - DAC Filter Setting: In default mode with no jumpers set (**Image 1**), the BDA4 uses the Short Delay Filter with the classic “Burl Sound”. A jumper on **A** (**Image 2**) will switch to the Long Delay Filter, with longer latency and a more forward mid-range.

Jumper B - AVID Delay Matching: In default mode, there is no added delay. Setting a jumper on **B** (**Image 3**) will increase latency to match the output delay of an HDIO for Hardware Inserts.

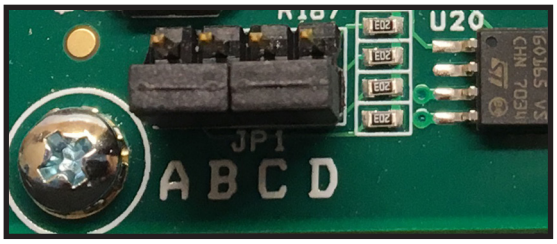


Image 1- Default Jumper Settings: Short Delay Filter, no added latency, classic “Burl Sound”

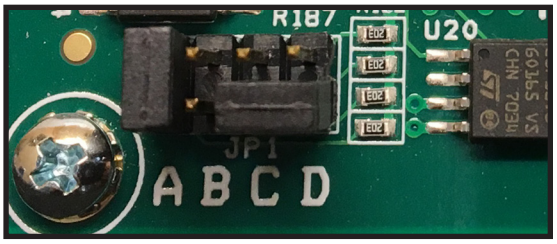


Image 2- Jumper on A: Long Delay Filter, longer delay, more forward mid-range

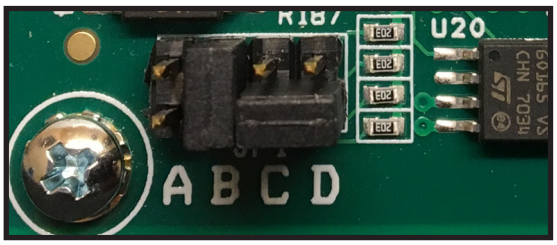


Image 3- Jumper on B: Short Delay Filter, AVID delay matching, classic “Burl Sound”

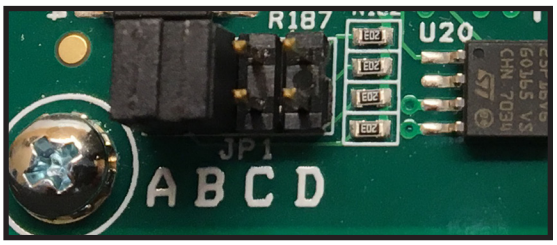


Image 4- Jumper on A & B: Long Delay Filter, more forward mid-range, AVID delay matching *(see chart below)

CONFIG A jumper DAC Filter Select	CONFIG B jumper AVID Delay Match	DAC filter delay	Sound	AVID delay compensation					
				44k.1	48k	88.2k	96k	176.4k	192k
no	no	short	normal Burl	no	no	no	no	no	no
yes	no	long	forward midrange	no	no	no	no	no	no
no	yes	short	normal Burl	yes	yes	yes	yes	yes	yes
yes	yes	long	forward midrange	yes	yes	*NOTE	*NOTE	*NOTE	*NOTE

Chart shows diferent DAC filter delay, sound and Avid delay compensation according to jumpers on A and B.

***NOTE:** AVID delay matching applies to all sample rates for the Short Delay Filter, but only to 44.1k, 48k for the Long Delay Filter. **To match the delay of AVID at 88.2k, 96k, 176.4k, 192k with the Long Delay Filter, use Hardware Insert Delay in Pro Tools.**

For more information go to www.burlaudio.com/bda4