

This addendum contains information applicable only to the Alpha-Link LIVE unit and supersedes some information contained in the Alpha-Link User Guide (Part No. 82BSAMo1A).

Alpha-Link LIVE units shipped from October 2010 onwards (serial numbers 0100 up) have been programmed with V2.9 firmware which, in association with a hardware modification on the main digital board, enables the unit to additionally lock to video sync. When running this firmware, additional virtual switch options become available to allow video sync to be configured which in turn means that parts of the included User Guide are now incorrect.

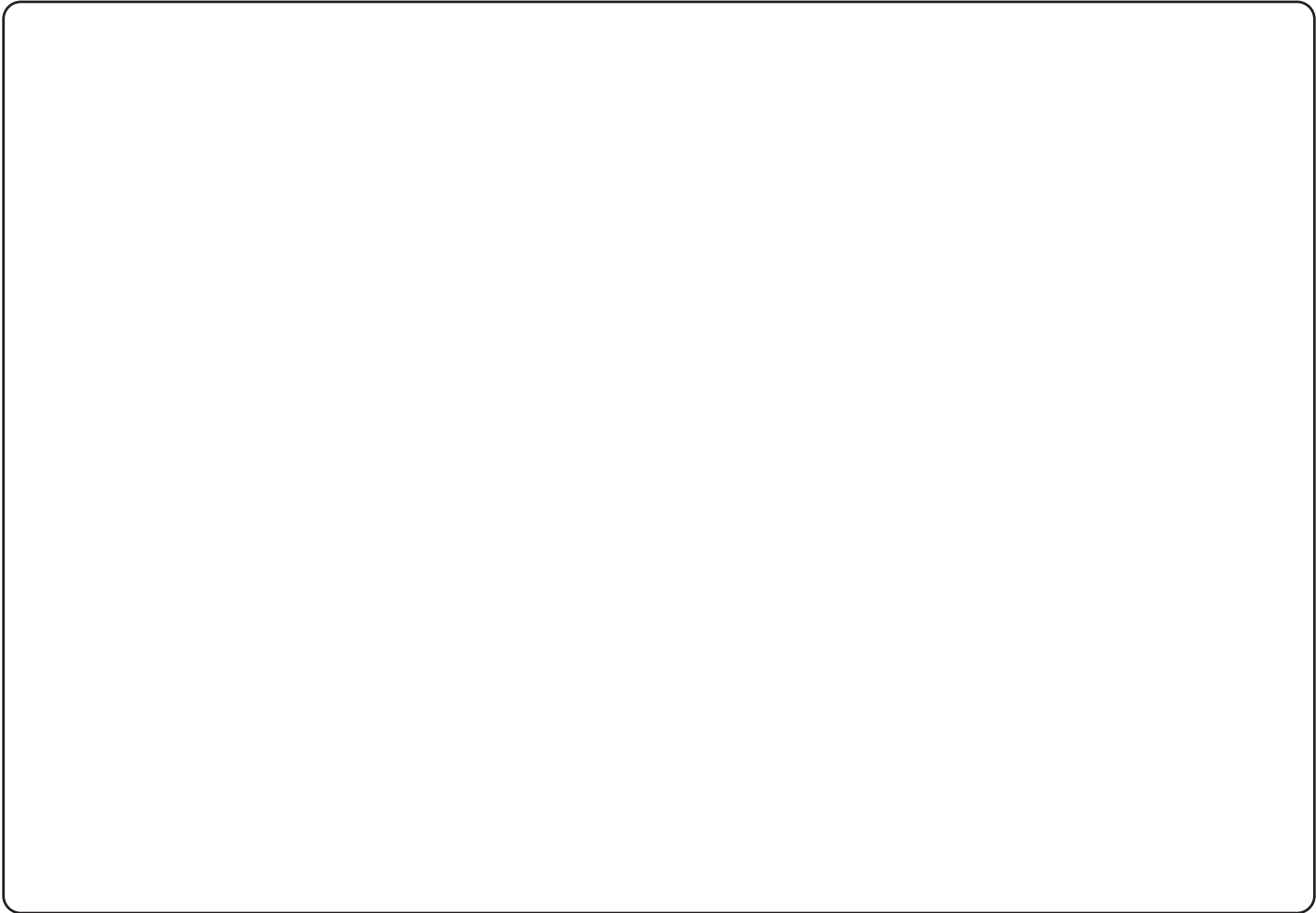
The affected pages are as follows:

- Virtual Switches, Page Two (page 19)
- Notes for Virtual Switches, Page Two (page 20)
- Virtual Switches, Page Three (page 21)

IMPORTANT

Alpha-Link units should not be re-programmed with V2.9 (or later) firmware unless the video sync hardware modification on the main digital board has also been carried out. Units that are programmed with V2.9 (or later) firmware but have not had the relevant hardware modifications will not lock to video and will not function correctly if set to do so.

For further information, please refer to our support FAQ at www.solidstatelogic.com/support



Virtual Switches, Page Two (Alpha-Link MADI-SX and LIVE)

Settings in bold indicate defaults. Please also refer to the notes overleaf for details regarding each setting.

LED	Option	Setting	LED States	See Note
1 2	AES/EBU clock source (port 'A' only)	AES/EBU In 1 & 2	<input type="radio"/> <input type="radio"/>	3.
		AES/EBU In 3 & 4	<input checked="" type="radio"/> <input type="radio"/>	
		AES/EBU In 5 & 6	<input type="radio"/> <input checked="" type="radio"/>	
		AES/EBU In 7 & 8	<input checked="" type="radio"/> <input checked="" type="radio"/>	
3	Clock source for 'External' selection	Wordclock (MADI-SX)	<input type="radio"/>	4.
		MADI or Video (LIVE)	<input checked="" type="radio"/>	5.
4	AES/EBU sample rate converters (port 'A' only)	Input 1 & 2 enabled	<input type="radio"/>	6.
5		Input 1 & 2 bypassed	<input checked="" type="radio"/>	
		Input 3 & 4 enabled	<input type="radio"/>	
6		Input 3 & 4 bypassed	<input checked="" type="radio"/>	
		Input 5 & 6 enabled	<input type="radio"/>	
7		Input 5 & 6 bypassed	<input checked="" type="radio"/>	
		Input 7 & 8 enabled	<input type="radio"/>	
8		Unused	Input 7 & 8 bypassed	
	n/a		n/a	–

Notes for Virtual Switches, Page Two

1. Because the Alpha-Link AX and MADI-AX units carry three ADAT ports, there are three ports to choose from when selecting an ADAT clock source. To enable one of the three ports to be selected the first two option switches operate together.
2. For Alpha-Link MADI-AX only. When **EXT** is selected as the clock source, this can optionally be MADI instead of a separate Wordclock feed. If MADI is selected here the clock signal embedded in the incoming MADI stream can be used as the clock source.
3. The Alpha-Link MADI-SX and LIVE units can optionally lock to one of the four AES/EBU inputs provided on AES/EBU port 'A'. To enable one of these four inputs to be selected the first two option switches operate together.

For the Alpha-Link unit to lock to one of these inputs requires that the sample rate converter on that input is also bypassed – see point 5. below.

4. For Alpha-Link MADI-SX this option defaults to 'Wordclock'. When the clock source is set for **EXT**, this option allows MADI to be used as the clock source instead of an external Wordclock feed. If MADI is selected here the clock signal embedded in the incoming MADI stream can be used as the clock source.
5. For Alpha-Link LIVE this option defaults to 'MADI or Video'. When the clock source is set for **EXT**, this option allows either MADI or Video to be used as the clock source – either the clock signal embedded in the incoming MADI stream or an external PAL or NTSC video sync signal.

When locking to video it will be necessary to specify the video standard and the unit sample rate using switches 5 through 8 on virtual switches page three.

6. Sample rate conversion is provided on the four AES/EBU inputs on AES/EBU port 'A'. These converters can be switched out in pairs.

Virtual Switches, Page Three (Alpha-Link LIVE)

Settings in bold indicate defaults. Please also refer to the notes overleaf for details regarding each setting.

LED	Option	Setting	LED States	See Note
1	Control Host	MADI	<input type="radio"/>	1.
		Expansion Bus	<input checked="" type="radio"/>	
2	Unused	n/a	n/a	–
3	Unused	n/a	n/a	–
4	Unused	n/a	n/a	–
5	External Clock Source (non-wordclock)	MADI	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	2.
		NTSC and 44.1kHz	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
NTSC and 48kHz		<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	3.	
NTSC and 88.2kHz		<input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>		
NTSC and 96kHz		<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	4.	
7		PAL and 44.1kHz		<input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>
8		PAL and 48kHz		<input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/>
		PAL and 88.2kHz		<input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/>
		PAL and 96kHz	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>	

Notes for Virtual Switches, Page Three

1. The Expansion port on the rear of the Alpha-Link can be used to perform firmware upgrades. The Alpha-Link LIVE unit runs different firmware to the other units in the Alpha-Link range but the Expansion port is unable to detect this difference. Therefore, to guard against accidental and incorrect firmware updates, the Alpha-Link LIVE will by default not accept firmware updates over the Expansion port. At the time of writing, firmware update is not possible over the MADI port.
2. When **EXT** is selected as the clock source and 'MADI or Video' has been selected in virtual switches page two, setting switches 5 through 8 to 'off' will enable the clock signal embedded in the incoming MADI stream to be used as the clock source.
3. When **EXT** is selected as the clock source and 'MADI or Video' has been selected in virtual switches page two, these virtual switches allow Alpha-Link LIVE to lock to an applied NTSC/colour (29.97Hz) video sync signal. Because the video sync signal obviously carries no sample rate information, it will be necessary to select the required sample rate using the appropriate switches.
4. When **EXT** is selected as the clock source and 'MADI or Video' has been selected in virtual switches page two, these virtual switches allow Alpha-Link LIVE to lock to an applied PAL video sync signal. Because the video sync signal obviously carries no sample rate information, it will be necessary to select the required sample rate using the appropriate switches.