

Introduction

With firmware version 3.1 DirectOut offers an alternative firmware with extended functionality for the legacy products:

- MA2CHBOX - 1 MADI Port (SC or BNC), 2 EC Ports
- MA2CHBOX.XT - 2 MADI Ports (SC & BNC), 2 EC Ports, 1 AES3 Port

Firmware 3.1 introduces new features:

- Support for MA2CHBOX Remote (Windows Software)
- Audio Matrix for channel based signal routing
- Serial Embedder Matrix

Changes:

- The EC Mode is not available.
- Due to the new features the menu navigation has changed.
- The labelling of the leds at the front panel differs from the indicated function.

MA2CHBOX

LED	Function indicated
MAIN	Lock / sync state of SC optical input
EC 1	Lock / sync state of EC 1 input
EC 2	Lock / sync state of EC 2 input
EC MODE	--

MA2CHBOX.XT

LED	Function indicated
MAIN	Lock / sync state of SC optical input
EC 1	Lock / sync state of BNC coaxial input
EC 2	Lock / sync state of selected EC input
AES	Lock / sync state of AES input



NOTE

The particular manuals refer to the standard firmware versions which are still available for download.

On the following pages the menu settings are explained individually for both devices.

Menu navigation MA2CHBOX

Display content		Meaning
Signal Routing	h <x>	Selected audio input for headphones out. * Values: o = Main input / E = EC input / M = matrix
	E <x>	Selected audio input for EC input. ** Values: 1 = EC1 / 2 = EC2
	o <x>	Selected audio input for Main out. * Values: o = Main input / E = EC input / M = matrix
	E <x>	Selected audio input for EC output. Values: o = Main input / E = EC input / M = matrix
System Settings	F <x>	Selected input scaling factor. Values: 1 = 1 FS / 2 = 2 FS / 4 = 4 FS
	S <x>	Sync Source Values: o = Main input / E = EC input <i>If only one input is locked the setting is ignored and this input is used as clock source.</i>
	C <x>	Monitor mode is indicated. Values: 1 = mono / 2 = stereo
	d <x>	Level metering (display) during idle mode. Values: 0 = off / 1 = on

* Main input or Main output refers to the MAD1 port that is either BNC coaxial or SC optical.

** Only one EC port is available as input and clock source. Both EC ports output the identical signal.



NOTE

The configuration of the audio and serial embedder matrixes requires the MA2CHBOX Remote. The settings are stored in the device.



NOTE

The use of the remote software requires the USB serial driver to be installed.

Menu navigation MA2CHBOX.XT

	Display content	Meaning
Signal Routing	h <x>	Selected audio input for headphones out. Values: o = SC input / E = EC input / A = AES input / M = matrix
	E <x>	Selected audio input for EC input. * Values: 1 = EC1 / 2 = EC2
	A <x>	Selected audio input for AES out. Values: o = SC input / b = BNC input / E = EC input / A = AES input / M = matrix
	o <x>	Selected audio input for SC optical out. Values: o = SC input / b = BNC input / E = EC input / A = AES input / M = matrix
	b <x>	Selected audio input for BNC coaxial out. Values: o = SC input / b = BNC input / E = EC input / A = AES input / M = matrix
	E <x>	Selected audio input for EC output. Values: o = SC input / b = BNC input / E = EC input / A = AES input / M = matrix
System Settings	F <x>	Selected input scaling factor. Values: 1 = 1 FS / 2 = 2 FS / 4 = 4 FS
	S <x>	Sync Source Values: o = SC input / b = BNC input / E = EC input / A = AES input <i>If only one input is locked the setting is ignored and this input is used as clock source.</i>
	C <x>	Monitor mode is indicated. Values: 1 = mono / 2 = stereo
	d <x>	Level metering (display) during idle mode. Values: 0 = off / 1 = on
Level Settings *	h <x>	Level of headphones out Values: E = encoder, output level variable (follows the volume setting)
	A <x>	Level of AES out Values: F = fixed, output level fixed E = encoder, output level variable (follows the volume setting)

* If the value is set to 'E' (= Encoder) the output will mute if the encoder is pressed twice.

** Only one EC port is available as input and clock source. Both EC ports output the identical signal.



NOTE

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NOTE

The use of the remote software requires the USB serial driver to be installed.

Contact

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