



**SDR07**

**SD-SDI triple channel reclocking distribution amplifier  
(ASI/DVB compatible)**

**A Synapse® product**

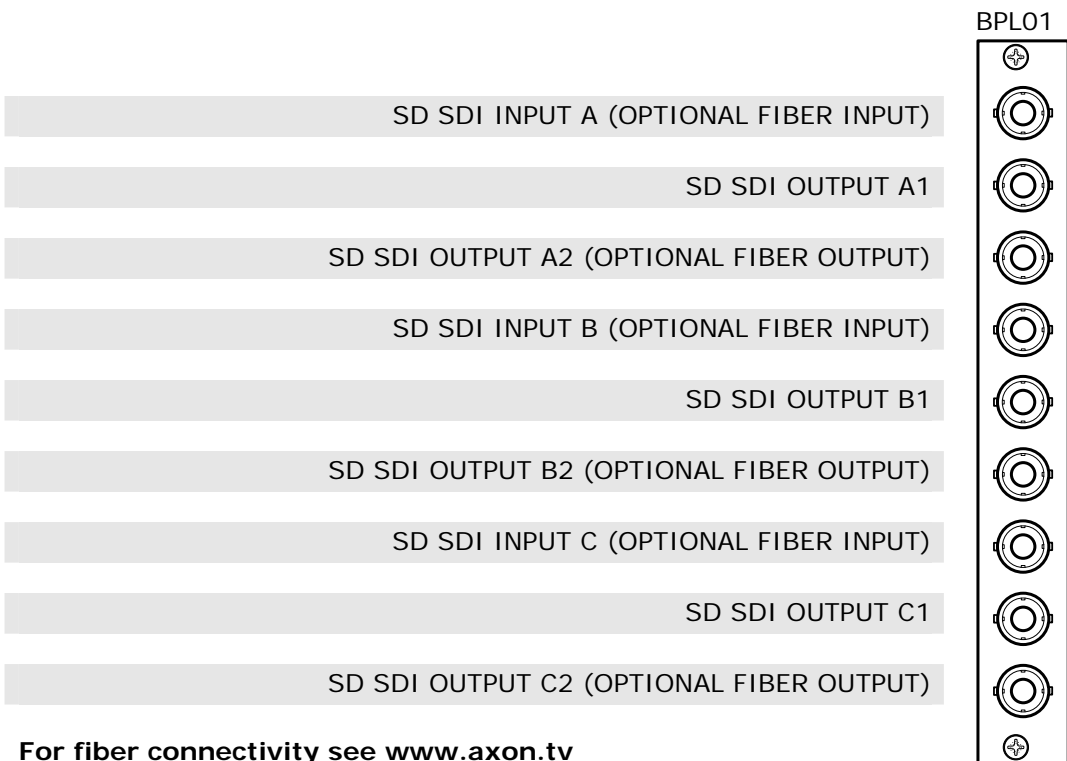
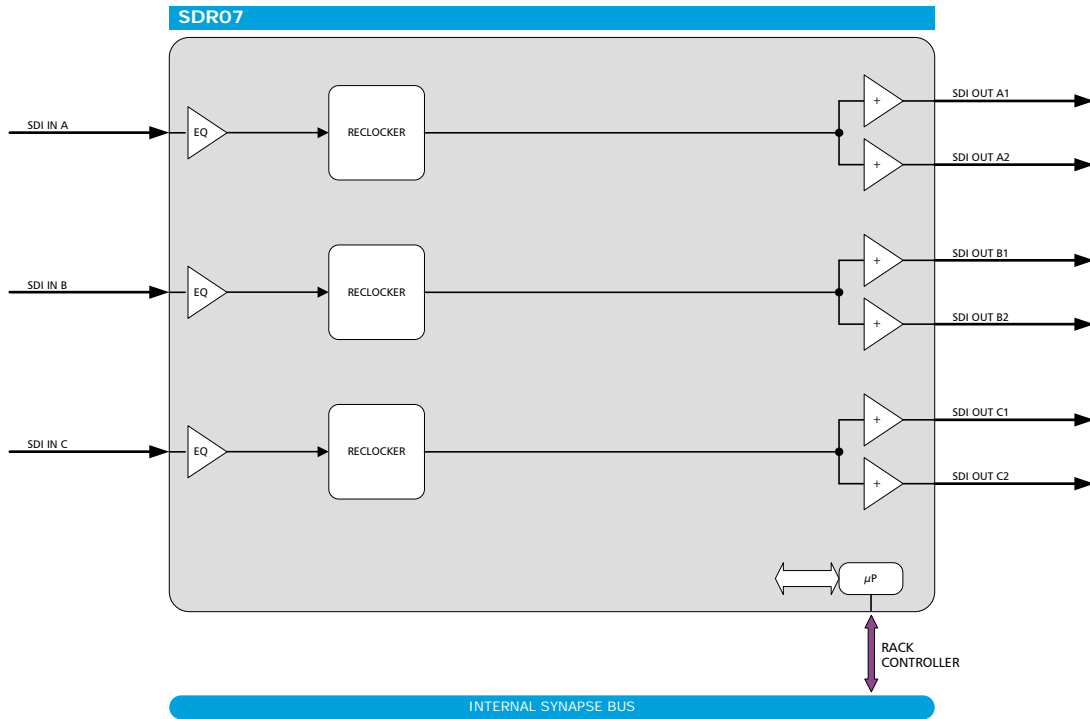
The logo for Synapse, featuring the word "Synapse" in a light blue, cursive script font with a slight shadow effect.

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Block schematic & I/O panel



For fiber connectivity see [www.axon.tv](http://www.axon.tv)

## Features

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The SDR07 is a triple channel reclocking distribution amplifier compatible with ASI/DVB.

- All outputs are non-inverting, ASI/DVB compatible
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)
- Optional 3 fiber inputs (replacing 3 SDI inputs) or 3 fiber outputs (replacing 3 SDI outputs) on I/O panel

## Applications

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- The SDR07 can be used as a generic triple channel 1 to 2 DA
- ASI/DVB distribution

## Ordering information

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### Module:

- **SDR07**: SD reclocking triple channel distribution amplifier (ASI/DVB compatible)

### Standard I/O:

- **BPL01\_SDR07**: I/O panel for SDR07

### Fiber outputs:

- **BPL01T3\_FC/PC\_SDR07**: I/O panel for SDR07 with 3 fiber transmitters on FC/PC
- **BPL01T3\_SC\_SDR07**: I/O panel for SDR07 with 3 fiber transmitters on SC
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### Fiber inputs:

- **BPL01R3\_FC/PC\_SDR07**: I/O panel for SDR07 with 3 fiber receivers on FC/PC
- **BPL01R3\_SC\_SDR07**: I/O panel for SDR07 with 3 fiber receivers on SC

## Specifications

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### Serial Video Input

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<b>Standard</b>	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio
<b>Number of Inputs</b>	3
<b>Equalization</b>	Automatic to 300m @ 270Mb/s with Belden 1694A or equivalent cable
<b>Return Loss</b>	> 15dB up to 270MHz

### SD Serial Video Output

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<b>Standard</b>	625/50 or 525/59.94 SMPTE 259M-C (270Mb/s) with SMPTE 272M embedded audio
<b>Number of Outputs</b>	3 x 2
<b>Signal Level</b>	800mV nominal
<b>DC Offset</b>	0V $\pm$ 0.5V
<b>Rise/Fall Time</b>	800ps nominal
<b>Overshoot</b>	< 10% of amplitude
<b>Return Loss</b>	> 15dB up to 270MHz

### Miscellaneous

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<b>Weight</b>	Approx. 250g
<b>Operating Temperature</b>	0 °C to +50 °C
<b>Dimensions</b>	137 x 296 x 20 mm (HxWxD)

### Electrical

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<b>Voltage</b>	+24V to +30V
<b>Power</b>	<6 Watts