

SWIT®

S-4609 SDI Audio De-embedder

Ver:V1.0.0V00

USER MANUAL

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Congratulations on your purchase of this product. Please read this user manual carefully.

Features

- ◆ 1x3G/HD/SD-SDI input, 2x3G/HD/SD SDI loop out
- ◆ De-embed 2-ch balanced Analog audio output and De-embed one channel stereo digital audio(AES/EBU)
- ◆ Select any 2 channels from 8-ch SDI audio to de-embed through switching 6-position DIP switch
- ◆ Heavy duty aluminium housing and bottom screw threads for installation

Product View

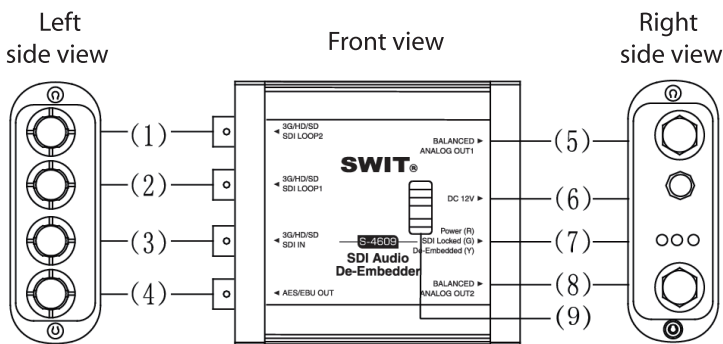


Photo 1

- (1) **SDI LOOP2**: 3G/HD/SD SDI loop through output (BNC)
- (2) **SDI LOOP1**: 3G/HD/SD SDI loop through output (BNC)
- (3) **SDI IN**: 3G/HD/SD SDI input (BNC)
- (4) **AES/EBU OUT**: Digital audio output (BNC)

- (5) **BALANCED ANALOG OUT1**: Analog audio output (6.35mm socket)
- (6) **DC 12V**: 12V DC input
- (7) **LED status indicator**
Power (Red): light up when power is connected
SDI Locked (Green): light up when there is SDI input recognized
De-Embedder (Yellow): light up when audio is successfully de-embed
- (8) **BALANCED ANALOG OUT2**: Analog audio output (6.35mm socket)
- (9) **DIP switch**: To select Audio channels. For details, please see "Audio Channel Selection"

Remark: It gives priority to de-embed digital audio when there is digital audio input and analog audio input at the same time.

Audio Channel Selection

Through switching the DIP switch to de-embed any two audio channels from 8-ch SDI audio. DIP switch position "123" controls one audio channel, DIP switch position "456" controls the other audio channel.

- a. For Analog audio, DIP switch position "123" controls "BALANCED ANALOG OUT1" audio signal; DIP switch position "456" controls "BALANCED ANALOG OUT2" audio signal.
- b. For Digital audio, it will output 2 channels of audio signal, DIP switch position "123" and DIP switch position "456" control one channel of audio separately.

The specific operation as follows:

Audio OUT CH1				Audio OUT CH2			
SDI Audio Channel	Switcher			SDI Audio Channel	Switcher		
	1	2	3		4	5	6
1	■	■	■	1	■	■	■
2	■	■	■	2	■	■	■
3	■	■	■	3	■	■	■
4	■	■	■	4	■	■	■
5	■	■	■	5	■	■	■
6	■	■	■	6	■	■	■
7	■	■	■	7	■	■	■
8	■	■	■	8	■	■	■

Installation Instructions

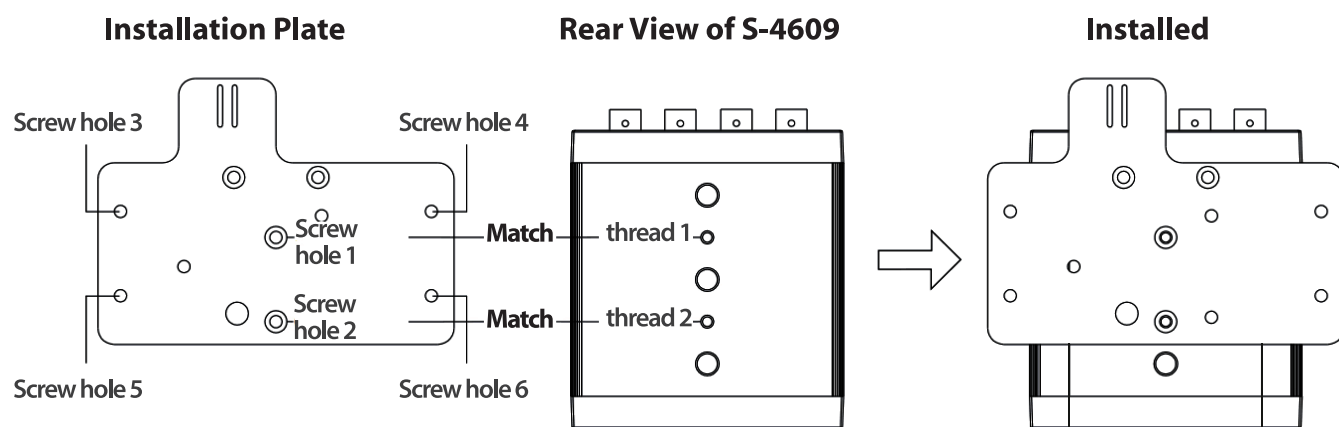


Photo 2

Match the screw holes 1&2 with the threads 1&2 of S-4609, and fix the installation plate to the S-4609 by using the supplied screws. The screw holes 3, 4, 5, 6 are used to install S-4609 to wall or racks.

Note: The installation must be fixed firmly in order to avoid serious damage caused by falling.

Specifications

Input	BNC×1	3G/HD/SD SDI input×1	
Output	BNC×2	3G/HD/SD SDI loop through output×2	
	BNC×1	AES/EBU×1	
	6.35mm×2	Analog audio×2	
Format	SDI	SMPTE-425M	1080p (60/59.94/50)
		SMPTE-274M	1080p (30/29.97/25/24/23.98)
			1080i (60/59.94/50)
		SMPTE-RP211	1080psf (30/29.97/25/24/23.98)
		SMPTE-296M	720p (60/59.94/50)
		ITU-R BT.656	576i (50)
		SMPTE-125M	480i (59.94)
Digital Audio	Format	AES/EBU	
	Output level	5Vp-p	
	Sample frequency	48KHZ	
	Connector	BNC	
Analog Audio	Max. Output level	+24dbu	
	Bandwidth	20HZ----20KHZ	
	Connector	6.35mm	
Power Consumption	≤ 3W		
Working Voltage	DC 6 ~ 18V		
Working Environment	Temperature: 0℃ ~ +50℃, Humidity: 10% ~ 90%		
Dimension	98.5×84.15×29 mm		
Net weight	235g		

Precautions

1. Please do not disassemble the product by yourself.
2. Keep the product away from rain or moisture.
3. Please use the provided power adapter and if you use third party power adapter, please make sure the voltage range, supplied power, and polarity of power lead are fit.