



Changeover

The units in the changeover series automatically switch the signal from the primary signal to the backup signal when problems are detected in the primary signal. Two input signals (primary and backup) are connected to a changeover unit, and the unit detects errors in the amplitude of the primary input signal.

A single unit provides 11 channels. Depending on the configuration of the internal switches, SDI, AES/EBU digital audio, analog black burst, tri-level sync, and word-clock signals can be received by the channels.

When a unit switches from a primary signal to a backup signal, it lights the panel LED of the channel that is causing the problem. The LT 4441 can be combined with the LT 443D Multiformat Video Generator to form a system. The LT 4442 can be combined with the LT 4400 Multiformat Video Generator to form a system that is 2U in size.

FEATURES

• Inputs and Outputs

Each unit is equipped with 11 sets of channels (each set consists of a primary input, a backup input, and an output).

• Electronic Switches

Electronic switches are used to switch channels 4 to 11. Also, high-speed detection circuits are used to detect errors. These enable units to switch to a backup signal with barely any disturbances appearing on the screen when problems such as interruptions occur in a primary signal.

The channel 9 and 10 inputs are dedicated inputs for AES/EBU digital audio signals. The channel 11 input is a dedicated input for word-clock signals. With TTL input, units generate +5 V CMOS output.

• Time until Determination Starts

The delay for starting the error monitoring at power up can be set to FAST or SLOW depending on the rise time of the system signal source that a unit is connected to.

• Determination Criteria of the Signal Level

By using the internal preset switches, you can switch between the level detection of SDI, NTSC or PAL analog black burst, and HD analog tri-level sync signals. AES/EBU digital audio and word-clock signals are received through dedicated connectors.

• Error Display

When a signal level error is detected, the unit lights the error LED on the panel as well as an LED that indicates the channel that is causing the problem. This feature allows quick investigation of the problem.

SPECIFICATIONS

	LT 4441	LT 4442
Inputs (Primary and backup)	10 input connectors 1 input connectors (TTL input)	
Outputs	10 output connectors 1 output connectors (CMOS)	
Dimensions	560 mm, 22 in.	400 mm, 15 5/4 in.
Switch	CH1 to CH3 : Relay Switches CH4 to CH11 : Electronic Switches	
Inputs and Outputs Characteristics	CH1 to CH3 HD-SDI, SD-SDI, NTSC/PAL Analog black burst, HD Tri-level sync signal CH4 to CH8 NTSC/PAL Analog black burst, HD Tri-level sync signal CH9, CH10 AES/EBU Digital Audio CH11 Word clock (TTL)	
Error Display Total Error LED Error Channel LED		Notifies errors by illuminating the error LED on the panel. Detects the channel causing the error and shows the channel by illuminating the corresponding LED.
Panel Key Lock Time to Key Lock		The key lock is automatically enabled when key operation is not detected for 60 s.
External Control (REMOTE) Connector Application Connector Type		For external remote control. 9-pin Dsub connector
Dimensions and Weight		426 (W) x 44 (H) x 560 (D) mm(LT 4441) 426 (W) x 44 (H) x 400 (D) mm(LT 4442) (excluding protrusions), 4 kg 16 3/4 (W) x 1 3/4 (H) x 22 (D) inch, (LT 4441) 16 3/4 (W) x 1 3/4 (H) x 15 4/5 (D) inch, (LT 4442) (excluding protrusions), 8.8 lbs
Accessories		Rack supports2 Rack support attachment screws4 Power cord1 Instruction manual1

■ The LT 4442 can be configured in the system with the LT 4400



■ The LT 4441 can be configured in the system with the LT 443D

