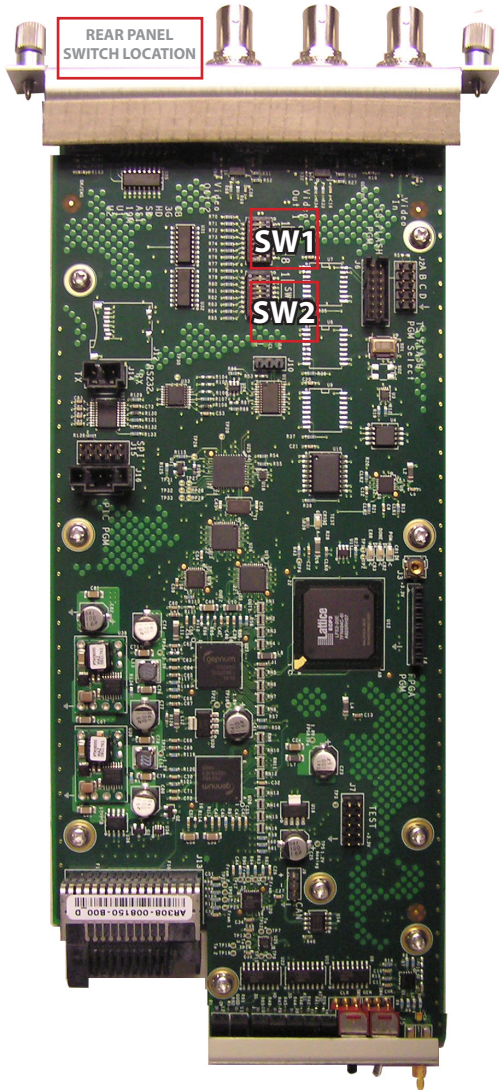


DL4000 VIDEO TRANSPORT SYSTEM MODULE
**DLT710
Quick Start Guide**

Configuration Switch Functions

SW1	Determines a portion of the test timing and enables test features
SW2	Determines signal format, input source, and EMS functionality
Rear Panel Switch	Determines test pattern type, signal type, test mode (continuous or single pass), and length of test

Artel ships the DLT710 configured as follows:

- All signal types enabled (3G, HD, SD, DVB-ASI, ATSC)
- Electrical input set to BNC
- Front panel GEN/CHK switch set to CHK
 - LEDs indicate checker status
 - Monitor jack contains copy of input BNC
- Multi-format, continuous test mode enabled
- Signal check test interval set to 60 seconds
- Signal check synchronization interval set to 5 seconds
- SDI generator pattern set to color bars, full screen @ 75%
 - 1080p 59.94 frames/sec
 - 1080i 29.97 frames/sec
 - 525i 29.97 frames/sec
- Embedded audio is 1 kHz tone @ -20 dBfs, all 4 channels of audio group 1
- DVB-ASI and ATSC generator transport stream
 - SMPTE color bars with moving block
 - MPEG-2 single program @ 19.292 Mb/s
 - SD video format, 720x480i, 29.97 fps
 - Embedded audio is left/right channel, 1 kHz tone @ -20 dBfs, AC-3 format
- Report data rate frequency errors > 40 ppm
- Report inverted DVB-ASI format
- EMS override is allowed (DL Manager can change the DLT710 configuration)

DIP Switch Configurations

REAR PANEL SWITCHES			
SW	Function	Off (Down)	On (Up)
S1	SDI Pattern	Pathological	Color Bars
S2	3G-SDI	Disabled	Enabled
S3	HD-SDI	Disabled	Enabled
S4	SD-SDI	Disabled	Enabled
S5	ASI	Disabled	Enabled
S6	ATSC	Disabled	Enabled
S7	Check Mode	Single-Pass Test	Continuous Test
S8	Signal Test Interval	Custom	Normal

Factory Default: All On

SW1 CONFIGURATION			
SW	Function	Off	On
S1	Reserved	-	Default
S2	Reserved	-	Default
S3	Reserved	-	Default
S4	Reserved	-	Default
S5	Reserved	-	Default
S6	ASI INV Test	Disabled	Enabled
S7	Freq Test	Disabled	Enabled
S8	Sync Interval	Custom	Normal

Factory Default: All On

SW2 CONFIGURATION			
SW	Function	Off	On
S1	HD Vert Res	720p	1080i
S2	Format	625 Line (SD) 50 Field (HD/3G)	525 Line (SD) 59.94 Field (HD/3G)
S3	Reserved	-	Default
S4	Reserved	-	Default

Factory Default: All On

S5	S6	S7	Checker Input
On	On	On	BNC In
Off	Off	Off	Backplane 1
Off	On	Off	Backplane 2
Off	Off	On	Backplane 3
Off	On	On	Backplane 4

Factory Default: All On

SW	Function	Off	On
S8	EMS Override	Local	Remote

Factory Default: All On



FRONT PANEL LEDS

Front LED	Function	Color	Description
OK	DLT710 Module Status	●	No alarm, Normal operation
		●	Minor alarm
		●	Major alarm
GOOD	Test Status	OFF	Test sequence not completed and no errors detected
		●	Test completed with no errors
		●	Inverted ASI signal detected.
		●	Test sequence complete, one or more errors found
3G HD SD ASI ATSC	Checker Video Rate*	OFF	Indicated rate not selected or not detected
		●	Indicated rate enabled, not yet tested
		●*	Indicated rate detected, testing in progress
		●	Indicated rate enabled, test complete with no errors
		●*	Indicated rate detected, but not being tested
		●	Selected rate enabled, signal not being detected, one or more errors found
		●*	Selected rate detected, one or more errors found
3G HD SD ASI ATSC	Generator Video Rate*	OFF	Indicated rate not enabled
		●	Indicated rate enabled, not yet generated
		●*	Indicated rate is being generated

REAR PANEL LEDS

Rear LED	Function	Color	Description
REC	Receiver Status	OFF	Backplane input is selected
		●	Input present at BNC
		●	Double termination or low input level detected
		●	BNC input is enabled, but no signal is present
GEN	Generator Status	OFF	Generator is inactive
		●	Generator is active
EMS	DL Manager System Status	OFF	The DLT710 module is in local mode and its configuration is controlled by the onboard configuration switches
		●	The DLT710 module is in remote mode and the configuration has been set by DL Manager. When in remote mode, the actual configuration of the module will likely not match the settings of the configuration switches and changing the configuration switches will have no effect on the module operation
OK	Module Status	●	No Alarm, Normal Operation
		●	Minor Alarm
		●	Major alarm

* Flashing green | * Flashing yellow | * Flashing red

*Front panel GEN/CHK toggle switch determines whether the LEDs operate as Generator status indicators or Checker status indicators.

Rear Panel Switches

