



## KEY FEATURES

- Feature rich XML scripting language
- Powerful error insertion capability
- Data Channel streaming
- Static stream for VCD files
- Fully interactive behavior on hardware

## HARDWARE CHARACTERISTICS

- USB powered and controlled
- Use 1.2V, 1.8V and 3.3V SLIMbus levels
- Shared with the Protocol Analyzer
- Controllable bus holder
- Full speed transmission (28 Mbps)



## FIELD OF APPLICABILITY

- Simulation benches (through VCD files export)
- FPGA IP validation (with hardware)
- Silicon validation (with hardware)

**In use since 2007, The LnK Traffic Generator is an industry reference  
It is so far the only vector of SLIMbus chipset interoperability**

- The Traffic Generator is delivered together with a powerful XML test script generator: **ScriptBuilder**.
- **ScriptBuilder** is also a fully featured SLIMbus protocol simulator and is freely available for download on our website (Members Area).

SLIMbus Script Builder

Core Messages | User Defined Messages

Traffic Initialization | Sequence of Events

Event #	Event Name	Parameters
0	Boot Sequence	(3072)
1	Superframe Begin	(2,19,9,6,12)
2	Superframe Begin	(1,19,9,6,12)
3	ASSIGN_LOGICAL_ADDRESS	(0x01C100000001,1)
4	ASSIGN_LOGICAL_ADDRESS	(0x01C100000002,2)
5	Loop Begin	(10)
6	Superframe Begin	(1,19,9,6,12)
7	Loop End	
8	Superframe Begin	(1,19,9,6,12)
9	CONNECT_SOURCE	(0xFF,0x02,1,1)
10	CONNECT_SOURCE	(0xFF,0x02,2,2)
11	BEGIN_RECONFIGURATION	
12	- NEXT_DEFINE_CHANNEL	(1,20,1,5)
	Channel Number	1
	Segment Distribution	20
	Transport Protocol	1 - Pushed Protocol
	Segment Length	5
13	- NEXT_DEFINE_CONTENT	(1.1.3.0.1.0.4)

```

110 <!-- Event #8 : Superframe Begin -->
111 <Superframe >
112 <FramingChannel ClockGear="9" FrameExt="0" RootFreq="6" SubframeMode="19"
113     WhiteningStream="Auto" PhasingStream="Auto" />
114
115 <!-- Event #9 : CONNECT_SOURCE -->
116 <SMC>
117 <Arbitration ArbitrationType="15" PriorityCode="2" SrcAddress="0xFF" />
118 <Header MessageType="0" RemainingLen="Auto" MessageCode="0x10"
119     DstType="0" HeaderIntegrity="Auto" DstAddress="0x02"/>
120 <Msg Id="CONNECT_SOURCE" CN="1" PN="1" />
121 <Integrity="Auto" />
122 <Response="NORE" />
123 </SMC>
124
125 <!-- Event #10 : CONNECT_SOURCE -->
126 <SMC>
127 <Arbitration ArbitrationType="15" PriorityCode="2" SrcAddress="0xFF" />
128 <Header MessageType="0" RemainingLen="Auto" MessageCode="0x10"
129     DstType="0" HeaderIntegrity="Auto" DstAddress="0x02"/>
130 <Msg Id="CONNECT_SOURCE" CN="2" PN="2" />
131 <Integrity="Auto" />
132 <Response="NORE" />
133 </SMC>
134
    
```

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