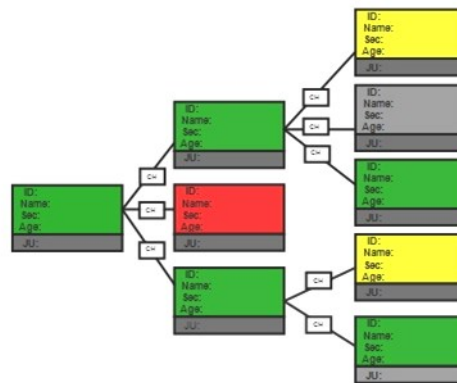# LinkSystems

Multilink-Controller

Features

Establishing TDL-networks via packet based Wide Area connections:

- The software operates as a Multi-connection application router and interconnects multiple SIMPLE/JRE-nodes in a way that the nodes can exchange tactical data in a point-to-multipoint-environment. Additionally it processes and generates SIMPLE/JRE management messages.
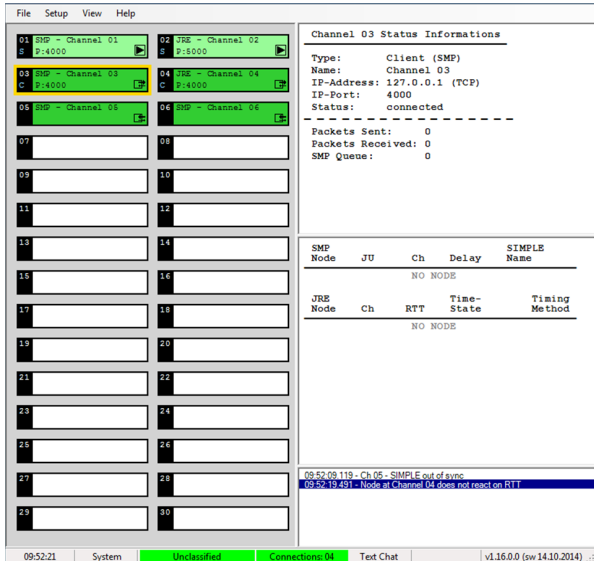

- The Multilink-Controller provides up to 30 connection channels, either incoming or outgoing, TCP or UDP.
- A cascaded architecture using multiple Multilink-Controllers subordinated to each other is possible. This setup provides a more efficient usage of connection lines, because all data from the local nodes will be integrated in one data stream.
- The Multilink-Controller accepts all user packets of STANAG 5602, especially Link 16, Link 11, Link 22.The packet type implementation of the Multilink-Controller is based on Edition3 of STANAG 5602 and MIL-STD-3011C.

Runs on PCs using Windows 7, 8, 10 (64bit)
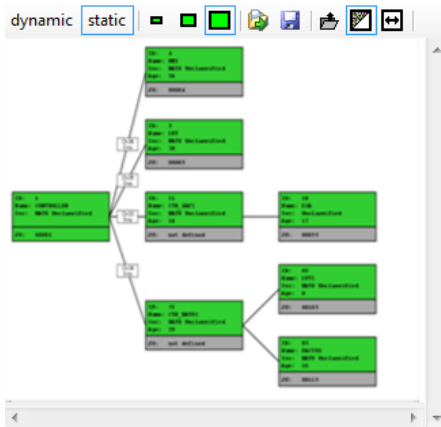
Users
- German Air Force
- NATO

Main Screen

The main screen allows control of the connectivity of the SIMPLE/JRE-network.

It shows:

- Channel state and configuration of up to 30 channels
- SIMPLE and JRE node list
- All error messages are logged here
- Monitor RTT to other nodes
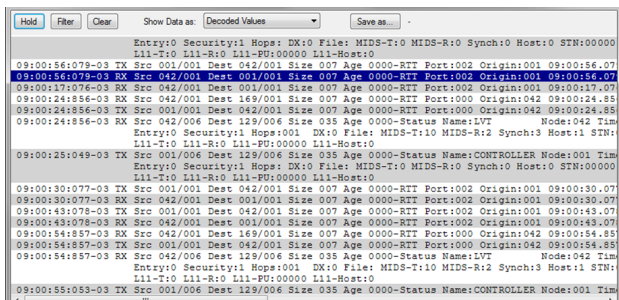- can be initialised as a Time Reference on SIMPLE

Activity Display

- Activity State of SIMPLE + JRE nodes
- Dynamic build up according to network structure
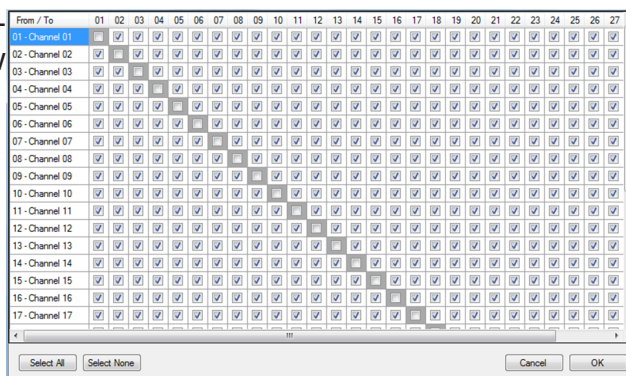- The colours of the symbols present further information on the node activity

Message Display

- shows decoded SIMPLE/JRE messages
- Filters can be applied
- Multiple instances possible

Routing Matrix

Routing matrix allows channel specific manipulation of the data flow and isolation of specific nodes.