3am LineScope

What's new in r15?

New FSK modes

Newly added support for V.21/Bell 103 adds capabilities requested by customers working on Alarm Systems and other low-speed telemetry applications.

Faster decoding & viewing

Earlier versions had performance issues with large recordings, such as downloads lasting over twenty minutes. Now, after some under-the-hood improvements, operation is snappier, and archived files can be decoded and viewed much quicker.

Condition	r14	r15
Default decode (fast playback mode)	900 s	93 s
Filtered decode (fast playback mode)	90 s	44 s
View refresh (without filters)	260 s	33 s

Table 1 – Relative processing time on an entry-level PC for a 20-minute download

Other feature enhancements

§ ISO-8583 message parsing module now supports all-ASCII encodings.
§ Hex dump offset radix is now user-selectable.

What else?

Customers sometimes identify pathological cases which we then look into to improve the product. With every release, we also make various small improvements for better efficiency, stability and usability. We also run automated regression tests on hundreds of recordings to make sure nothing is broken.

We can help you!

We realize that some customers have integrated LineScope into their workflows, and from what we hear, most are happy with it. Just keep in mind that we welcome requests for tweaks and feature ideas. Just email us…

Update now and give it a test drive!
Software updates are free of charge.

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Release notes
27th September 2012

Migrating old licence keys
Some older licences may become invalid when upgrading. To rectify this, repeat the activation procedure and follow the instructions to obtain an updated activation code.

New FSK modes
This release includes basic decode support for V.21/Bell103 and V.23/Bell202 modes, with these limitations:
§ V.21 & Bell103 at 300/300 or 75/75 baud, selectable.
§ V.23 at 75/1200 and Bell202 at 150/1200 baud, fixed.
§ Synchronous mode not supported.
§ Physical layer parameters not available.
§ Instrument panel behaves erratically with asymmetric baud rates.
§ Break signal shorter than V.14 requirement not identified correctly.

Other known issues
In some situations, the main window frame is unexpectedly not resizable on launch. This is known to happen after the application is closed while maximised in single panel view. As a workaround, double click on the title bar.