

Micro-Scope 3a

Micro-Scope 3a is a DMX512 data analyser and tester. It is compatible with all versions of DMX including **DMX512-A**.

DMX512 is now so commonplace that a test tool is no longer a luxury. Micro-Scope is the tool for the job.

Recent independent market research* shows that Micro-Scope is the best selling DMX tester worldwide.

Micro-Scope 3a provides all the features regularly needed by architectural, theatre and touring technicians. Micro-Scope 3a is a small hand-held DMX512-A receiver and transmitter.

It can operate as a Moving Lamp tester, a Flicker Finder, a Cable Tester, a Data Analyser or a Rigger's Remote.

Powered by an internal rechargeable battery, it provides 25 hours of operation with a high brightness backlit screen.

Micro-Scope 3a is very easy to operate. Switch on to an immediate display of received DMX512. Two key presses are all that is required to change to transmit.

The built in moving lamp library is used to test all the attributes of over 200 lamps. The lamp library can be edited and customised using the optional 'Mic-Edit' PC software. Modifications are then quickly downloaded to Micro-Scope 3a using the serial link cable.

Fifteen memories, which contain individual level settings for all 512 channels are



available. Memories can be programmed by snapshot of received DMX, numerically, with preset patterns or using Mic-Edit.

Receiver:

- 24 channel bar graph display
- 6 channel numeric display
- Decimal, hex, percent and binary
- Max, Min and current level display
- Flicker finder with hunt mode
- Update rate, Break and MaB timing
- Number of channels received
- Display DMX Text
- Analyse received SIP's
- Analyse all alternate start codes
- Snapshot to memory
- Scope trigger output
- Receives MIDI

Cable Test:

- Single ended test for shorts or termination
- Double ended cable test for mis-wires on primary pins

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Transmitter:

- Rig - Single channel at a level
- Moving Lamp - Test all attributes of the lamp
- Dynamic - Any range of channels at a level or continuously ramping
- All - All channels at a level
- Memory - Playback one of the fifteen memories

What's New in Micro-Scope 3a?

Micro-Scope 3a includes many new features for the new DMX512-A specification:

- Micro-Scope 3a is compatible with DMX512, DMX512 (1990) & DMX512-A
- All menus can now be enabled or disabled in the setup menu. This allows Micro-Scope 3a to be configured for operation ranging from a simple rigger's remote to a power user development tool
- A new 'Transmit All' function has been added, allowing all channels to be slowly faded up for a lamp check
- Micro-Scope 3a can analyse System Information Packets (SIPs). This is a new function of DMX512-A that provides checksums, firmware revision numbers and much more
- DMX Text information can be displayed and generated by Micro-Scope 3a. This allows products that do not have a display to send diagnostics information
- Micro-Scope 3a can analyse DMX Start Codes
- Micro-Scope 3a can playback a sequence of memories.
- See web site for more new features

System:

- Network - Test the installation cable integrity using worst case data signatures
- Autobackup - Save the day if the console fails by switching to a backup memory
- Sequence - Playback a sequence of memories as a simple show controller

Upgrade Policy:

All Micro-Scopes sold can be upgraded to Micro-Scope 3a functionality.

Micro-Scope 1, 2 & 2a must be returned to Artistic Licence. Micro-Scope 3 can be upgraded by sending out a new firmware chip. Please see web site for details and costs.

Mic-Edit:

Mic-Edit is the PC software package for Micro-Scope 3a.

The software runs under Windows and communicates with Micro-Scope 3a via an RS232 serial cable.

Mic-Edit provides the following functionality:

- Program all Micro-Scope 3a configuration and setup menus
- Edit new lamp libraries
- Program all memories
- Enter start up display user name
- Enable or disable individual menus
- Setup moving lamp patch
- Install new lamp libraries from Internet

* ESTA Market Research Program

