

DMX ANALYZER · RECORDER

\$399

US MSRP

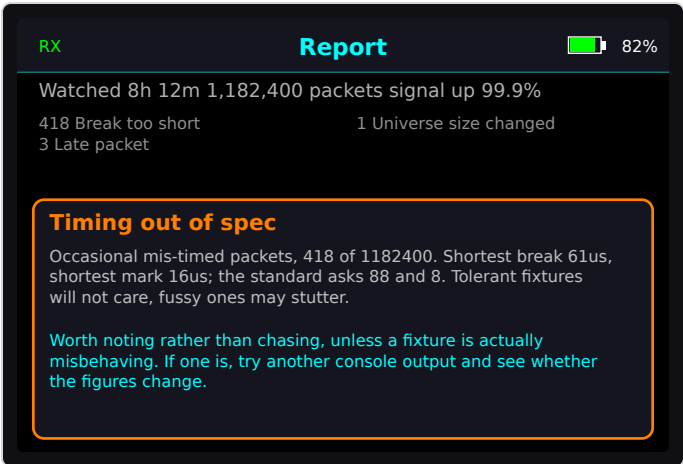
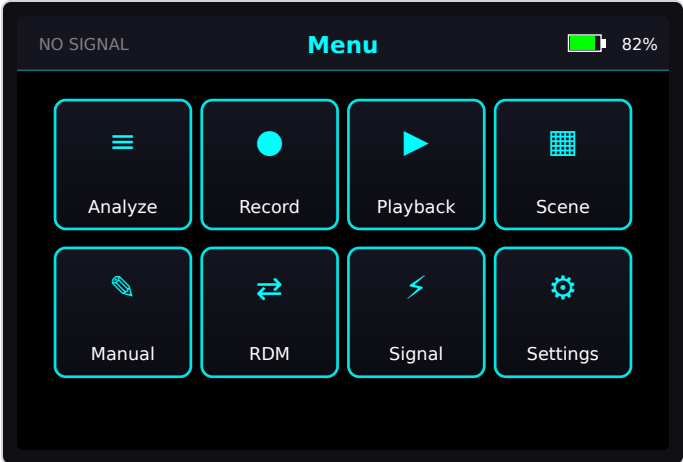
A handheld DMX512 instrument that does two jobs. It **reads a line and tells you what is wrong with it in plain English** — and it **records a full 512-slot universe to SD and plays it straight back**. Battery powered, entirely self-contained: no phone, no app, no laptop.

ANALYZE

- **Plain-English diagnosis.** Names the likely fault and what to check first.
- **Signal timing** to 0.5µs — break, mark-after-break, refresh, slot count.
- **Unattended fault logging** to SD with timestamps. Catches intermittents.
- **Live analysis** of all 512 slots, with peak hold and change tracing.
- **RDM controller** (ANSI E1.20) — discover, address, identify, auto-patch.

RECORD & REPLAY

- **Full universe capture** at up to 44 Hz, frame by frame.
- **Playback with looping**, single file or sequential.
- **Survives power loss** — an interrupted recording stays playable.
- **Removable microSD**, FAT32 or exFAT. ~74 MB per hour.
- **Genuine Neutrik XLR** connectors, wired as a passive thru.



|                                 |            |
|---------------------------------|------------|
| Frames recorded, none lost      | 5,290,145  |
| Longest continuous run          | 10 hours   |
| Timing vs. reference instrument | within 1µs |
| Unit-to-unit agreement          | within 1µs |

TECHNICAL SPECIFICATIONS

| PROTOCOL                     | INTERFACE                               | STORAGE & POWER                      | SYSTEM                         |
|------------------------------|-----------------------------------------|--------------------------------------|--------------------------------|
| DMX<br>DMX512-A (ANSI E1.11) | Connectors<br>2 × Neutrik XLR-3         | Card<br>microSD, FAT32 / exFAT       | Processor<br>RP2040, dual core |
| RDM<br>ANSI E1.20 controller | Wiring<br>Passive thru, isolated RS-485 | Battery<br>18650 Li-ion, USB-C       | Firmware<br>v1.4               |
| Universes<br>1 × 512 slots   | Termination<br>120 Ω, internal jumper   | Runtime<br>4+ h recording, screen on | Updates<br>Over USB-C          |
| Timing resolution<br>0.5 µs  | Display<br>3.5" 480×320, capacitive     | Standby<br>~12 µA switched off       | File formats<br>.DMX, .CSV     |