DMX / MIDI Recorder

UDMR enables coordination of lighting (DMX), sound (MIDI) and video performance (V-LINK), and vastly reduces initial setup cost in a wide variety of entertainment venues.

- **DMX signals with high-density sampling rate of 40Hz.**
The UDMR, DMX / MIDI recorder from USHIO, can easily record and playback DMX signals used for controlling lighting equipment at a high density sampling rate of 40Hz per frame. The UDMR is ideal where data changes are infrequent such as amusement parks, shopping malls, and LED lighting projects. UDMR lowers equipment cost significantly by replacing expensive standalone control consoles.

- **MIDI signals record / play**
UDMR meets the unified standard of MIDI for controlling audio equipment and record/play MIDI signals. This unit controls the operation and setting of any equipment that meets MIDI specifications. The UDMR creates the ultimate entertainment environment by synchronizing lighting, sound, and video together in one device.

- **Interfaces for external devices.**
UDMR also supports various interfaces such as AUDIO IN, LTC IN, and control input (contact point). UDMR also provides a wider range of expressions, for time code synchronizations, trigger playback via contact input, and synchronizing performance with external sound input such as music.

- **Editing recorded data.**
DMX and MIDI signals are recorded as a “phrase” into the UDMR and is capable of recording up to 500 phrases with fade control to provide a smooth operation between phrases. Phrases can be combined into pattern phrases and provides you with full control by configuring the pattern phrases according to your program. A phrase editing function enables phrases to be deleted, shift orders, and duplicated. Any changes can also be edited on-site for unexpected modifications in the program and rerecording of single phrases.

- **Concept of the UDMR phrase**
UDMR can record and playback DMX signals and MIDI signals. The data phrase (DMX phrase) which is received from when UDMR starts recording DMX signals to when it stops under the situation where DMX signal is being sent by a lighting controller etc. MIDI phrases can also be created using recorded data from external MIDI equipment.

- **Pattern phrase**
Pattern phrases in which various phrases (up to 100 phrases) are combined can be created for consecutive entertainment programs.

- **Phrase edit**
Processing phrases such as deletions and duplication etc. can be carried out simply by specifying the phrase number. Within a pattern phrase the order of the individual phrases can be changed or a specific phrase modified, thus making any changes in the program or partial revisions much easier.
Compact Flash card storage
(CF=compact flash memory card (hereinafter referred to as CF card))
High durability and maintenance free design

UDMR uses no mechanical devices to ensure its high durability and reliability. DMX phrases, MIDI phrases, and equipment settings are recorded directly to the CF card rather than the main unit. By using the CF card as storage, quick program changes can be achieved instantaneously by swapping out pre-programmed data on a different card. Unlike drive-system recording media such as HDDs, the use of the CF increases the reliability of the data.

Supports CF cards of 64MB → 2GB (Type 1, *Available as an option)

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Card protector (accessory)
Includes a card protector that prevents omissions and extractions caused by operating errors with the CF card.

Appearance

Front panel

1. Card access indicator
2. Memory card protector
3. Memory card slot
4. Inject button
5. DMX indicator
6. BPM indicator
7. LTC / MTC indicator
8. Card select indicator
9. Phrase No. / BPM display
10. Display
11. SELECT dial
12. [PLAY] button
13. [STOP] button
14. [MODE] button
15. [ENTER] button
16. POWER (power supply) switch

Rear panel

1. Power cord plug-in
2. Left CONTROL TERMINAL
3. Right CONTROL TERMINAL
4. DMX OUT / BACKUP terminal
5. DMX IN terminal
6. MIDI OUT / THRU terminal
7. MIDI IN terminal
8. LTC IN terminal
9. AUDIO IN (L/R) terminal

Specifications

Record frame: 20 / 40 Change of frame
Record channel: 32 / 64 / 128 / 256 / 512
DMX phrase / MIDI phrase
Number of phrases: 500 phrases (when 2 cards are used)
Playback system:
- Direct playback: 10 phrases, 4 systems (normal, precedence - priority, following - priority, sequential)
- Binary playback: 500 phrases
- MIDI playback: 500 phrases
- DMX playback: 500 phrases
Display:
- 7 segment LED×3
- 20 characters × 2 lines
- LCD with lighting
Connecting terminal:
- AUDIO IN (line-in) terminal (L / R, RCA pin type)
- LTC IN terminal (3 pin XLR type)
- DMX terminal (OUT / BACKUP, IN, 5 pin XLR type)
- MIDI terminal (OUT / THRU, IN, 5 pin DIN type)
- Control input terminal (8 pin × 2 Euro block)
Power:
- Universal (100Hz / 60Hz)
Power consumption:
- 4W at AC200V
Outside dimension:
- 482 (width) x 216 (depth) x 44 (height) mm (1U-1U rack mount type)
Weight:
- 2.4 kg
Operating ambient temperature:
- 0°C ~ 40°C
Operating ambient humidity:
- 0% ~ 80% (no condensation)
Accessories:
- Power cord
- Rubber foot (4)
- Card protector (2, including screws)
- Euro block (12)
- Instruction manual

Dimensions (mm)

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