USHIO
Lighting —Edge Technologies

DMX / MIDI Recorder
UDMR

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**

Rec Start ⟶ Stop

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.

| Pattern phrase | A01 | A02 | A03 | A04 | A05 |

A01 pattern phrase and configuration phrase (A02-05)

● **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.

| Pattern phrase | A01 | A02 | A03 | A05 | A04 | A02 |

Deletion   ⟵ Change ⟶   Duplication
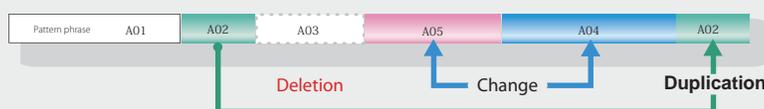
● **Compact Flash card storage**
（CF＝compact flash memory card/hereinafter referred to as CF card）
High durability and maintenance free design

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)

● **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**

DMX record system	Record frame：20 / 40 Change of frame
	Record channel：32 / 64 / 128 / 256 / 512
Recording media	CF card（Compact flash memory card）
CF card slot	2 slots（Type 1）
Type of phrase	DMX phrase / MIDI phrase
Number of phrases	500 phrases（when 2 cards are used）
Playback system	Manual（by hand）playback
	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・Euro block×2）
Power	Universal（50 Hz / 60 Hz）
Power consumption	Ex) 4W at AC200V
Outside dimension	482（width）×216（depth）×44（height）mm　（EIA-1U rack mount type）
Weight	2.4 kg
Operating ambient temperature	0℃〜40℃
Operating ambient humidity	0%〜80%（no condensation）
Accessories	Power cord
	Rubber foot (4)
	Card protector（2, including screws）
	Euro block（2）
	Instruction manual

■ **Dimensions**   (mm)
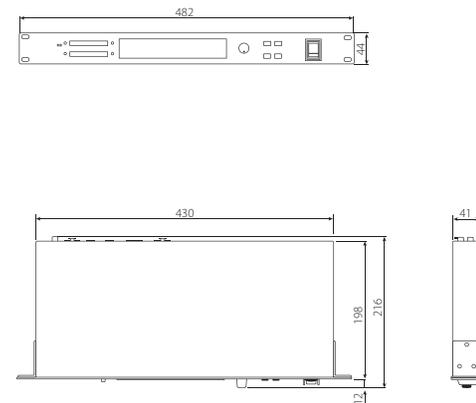
482

430

198 216

41

12

44

USHIO
Lighting ─ Edge Technologies

● Please note that the form, specifications and price of the products in the catalog are subject to change without notice.
● The color of the actual product and as depicted in the catalog may slightly differ because of the printing process.
＊ CompactFlash is a trademark or registered trademark of SanDisk Corporation in the U.S.A and oth er countries.

1009