

AES 2002 Meeting

DMX-P01 Portable Digital Mixer



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DMX-P01 Portable Digital Mixer

- 4 Mic/Line Inputs for ENG/EFP and Location Production
- Offers Digital Signal Processing
 - 24bit 48kHz/96kHz AD and DA conversion
 - 32bit internal processing
- Digital Input limiter and output compressor / limiter.
- Direct connection with digital audio recorders
 - AES/EBU and coaxial output provided
- Digital cascade with another DMX-P01
 - Increases input channels from four to eight
- 8 x AA batteries provide approx. 5hr operation
- 10 user setting registers for storing/recalling mixer settings
- Panel lock and parameter lock functions



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INPUT SECTION

Trim
Channel VOL
LCF switch
PAN
Channel Link/M-S switch

MONITOR SECTION

Headphone Monitor Mode Switch
Stereo, L MONO, R MONO, MONO, M-S, CAMERA
Headphone Level Volume & Jack



DIGITAL FUNCTION SECTION

Slate Switch
Light Switch (for LCD Display)
Function Switch
DISPLAY mode or SETUP mode

OUTPUT SECTION

Master Volume
Master Link Switch
Peak LED

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POWER SECTION

Battery Compartment
8 x AA dry battery
DC Output terminal
HIROSE 4pin for WRT or WRR

Bus Input terminal

For Digital cascade

ANALOG INPUTS

Channel Inputs
4 input channels XLR 3-31
Input Level Switch
MIC+48V, MIC, LINE

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ANALOG OUTPUT SECTION

Main Output
Output Level Select Switch
+4/-20/60dBu

Stereo/Mono Switch
Tape Output
Headphones Output
CAMERA Interface Terminal
TAJIMI 12pin Multi connector


DIGITAL OUTPUT SECTION

AES/EBU Output
Coaxial Output & S/PDIF/Bus Out Select Switch
S/PDIF mode: Connect to digital recorder
Cascade mode: Connect to another P01 for cascade

Sampling Rate Select Switch
48kHz or 96kHz

DC Input Terminals
BP-90A type and XLR4-32 type
DC 10V to 15V input

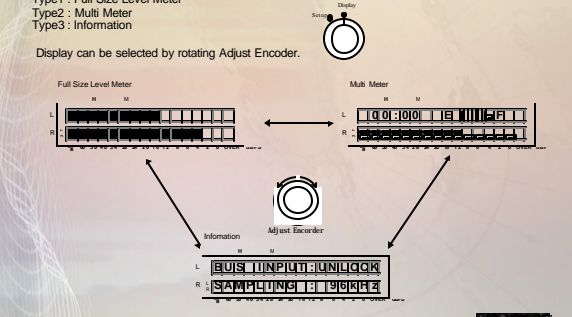
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Three display modes

Type1 : Full Size Level Meter
Type2 : Multi Meter
Type3 : Information

Display can be selected by rotating Adjust Encoder.



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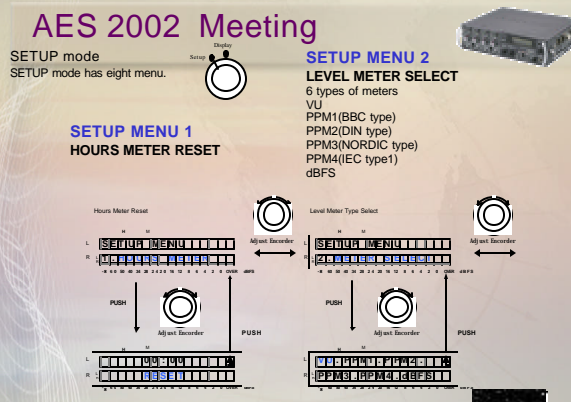
SETUP mode
SETUP mode has eight menu.

SETUP MENU 1


HOURS METER RESET

SETUP MENU 2

LEVEL METER SELECT
6 types of meters
VU
PPM1(BBC type)
PPM2(DIN type)
PPM3(NORDIC type)
PPM4(IEC type1)
dBFS

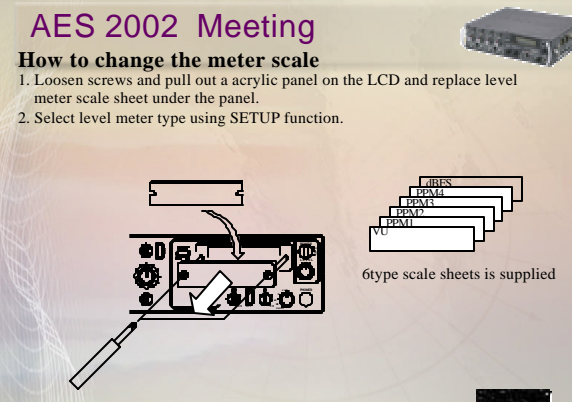


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How to change the meter scale

- Loosen screws and pull out a acrylic panel on the LCD and replace level meter scale sheet under the panel.
- Select level meter type using SETUP function.



6type scale sheets is supplied

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SETUP MENU 3

Low Cut Filter Setup

Low cut frequency can be selected from 50Hz to 200Hz.

SETUP MENU 4

Input Limiter Threshold Setup

Threshold can be selected from -10dB to +10dB 2dB step and OFF.

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SETUP MENU 5,6

Output Compressor / Limiter Setup

Full function comp/limiter. Parameters are

Threshold : -20 to +10dBu , OFF 2dB step
 Ratio : 2:1 4:1 6:1 10:1
 Attack : FAST(0.5ms) , MID(10ms) , SLOW(100ms)
 Release : FAST(0.1sec) , MID(1sec) , SLOW(2sec)
 Limiter : 0 to +20dBu , OFF 2dB step
 LINK : ON/OFF

Output Compressor/Limiter Lch Setup

Output Compressor/Limiter Rch Setup

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SETUP MENU 7

LINK / M-S Setup

Input channel mode can be selected.

LINK mode : Channel LINK
M-S mode : Decode for M-S mic signal.
Reverse M-S mode: M-S decode with phase reverse of even number of CH.

SETUP MENU 8

CAMERA RETURN LEVEL Check

Check the signal level from CAMCORDER

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HOW TO CHECK CAMERA RETURN LEVEL

- 1 Select CAMERA RETURN LEVEL mode
- 2 Push to output 1kHz sine wave signal
- 3 The difference level between reference signal and returned signal is displayed by a marker.
- 4 Adjust the marker to the center position, then level adjustment is completed.

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◆ **Target List Price:** **\$ 2,800.00**

◆ **Availability:** **February 2003**

