

# Audio Monitor

## AM-3805



Astro audio monitor AM-3805 separates audio signal embedded in HD/SD-SDI and output to equipped speakers and headphones for audio monitoring. It supports wide variety of display mode such as VU, Peak, Lissajous, Spectrum and Loudness meter.

### Features

#### Audio functions

- AES/EBU 8 channels input(1 to 16ch) and output (1 to 16ch)
- Balanced analog input(1 to 8ch) and output(1 to 8ch)
- Stereo speakers L/R
- Stereo headphones
- 5.1ch down mix compliant to ISO/IEC 13818-7:1997(E) matrix
- Audio volume and L/R balance

#### Clear view LCD panel

- Status
- Audio level bar
- VU meter
- Spectrum analyzer
- Lissajous
- Audio peak meter
- Loudness meter, etc

#### Loudness meter functions

- Loudness meter compliant to ITU-R BS.1770
- Overwriting re-measurement
  - Various trigger point
  - Data logging

#### GPIO

- GPI to select audio channel, preset data loading
- GPO to alarm output, remote control
- Clock input

### Dedicated GUI

#### Features

- Connecting PC and LAN cable, it supports Java based web browsing operation, loudness level check, log out, etc.

### GUI samples

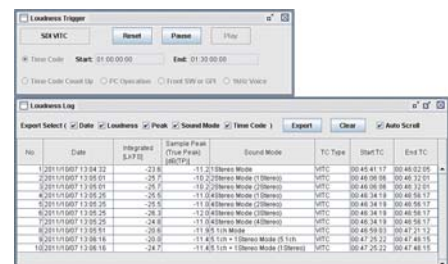
#### GUI entrance page



#### Loudness history



#### Loudness trigger and logging

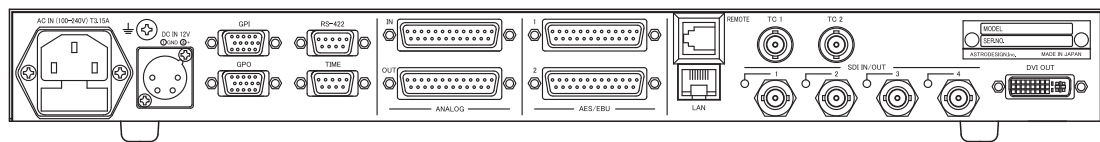
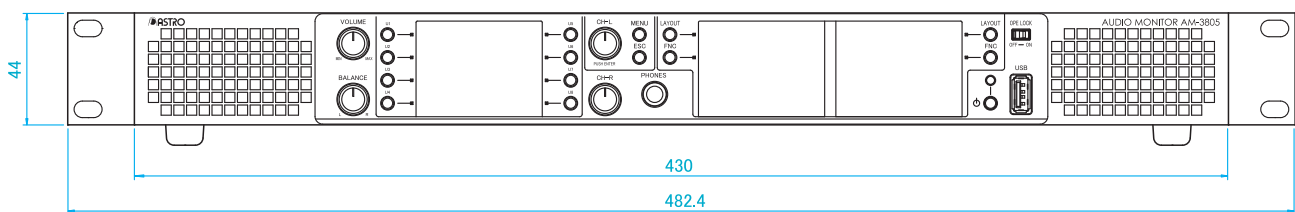


No.	Date	Integrated [LKFS]	Sample Peak (True Peak) [dBFS]	Sound Mode	TC Type	Start TC	End TC
1	2011/11/07 13:04:22	-23.9	-11.21 Stereo Mode	UTC	00:45:41.17	00:46:02.05	
2	2011/11/07 13:05:01	-25.7	-10.22 Stereo Mode (1 Stereo)	UTC	00:46:06.06	00:46:21.01	
3	2011/11/07 13:05:01	-25.7	-10.22 Stereo Mode (2 Stereo)	UTC	00:46:06.06	00:46:21.01	
4	2011/11/07 13:05:25	-24.5	-11.04 Stereo Mode (1 Stereo)	UTC	00:46:34.18	00:46:49.17	
5	2011/11/07 13:05:25	-24.5	-11.04 Stereo Mode (2 Stereo)	UTC	00:46:34.18	00:46:49.17	
6	2011/11/07 13:05:25	-24.8	-11.04 Stereo Mode (3 Stereo)	UTC	00:46:34.18	00:46:49.17	
7	2011/11/07 13:05:61	-26.0	-11.85 1ch Mode	UTC	00:46:59.01	00:47:15.12	
8	2011/11/07 13:06:18	-26.0	-11.85 1ch + 1 Stereo Mode (5 1ch)	UTC	00:47:25.22	00:47:44.15	
10	2011/11/07 13:06:18	-24.7	-11.45 1ch + 1 Stereo Mode (1 Stereo)	UTC	00:47:25.22	00:47:44.15	

## Specifications

AM-3803/AM-3805	
Supply voltage	DC10 to 18V AC100 to 240V (50/60Hz)
Power consumption	38W MAX
LCD life time	50,000 hours (LCD backlight half life period)
Operating temperature range	0 to 40°
Operating humidity range	30 to 80%RH (no condensation)
Dimensions (WxD(mm))	430(W)x44(H)x205(D)mm (excluding subjected parts)
Weights	Approx. 2.7kgs

## Appearance



D=205mm

## Loudness application

### Features

#### Loudness log analysis software SP-3802

- Load and analysis loudness log from AM-3803/3805
- Analysis result display and log output for smooth operation

