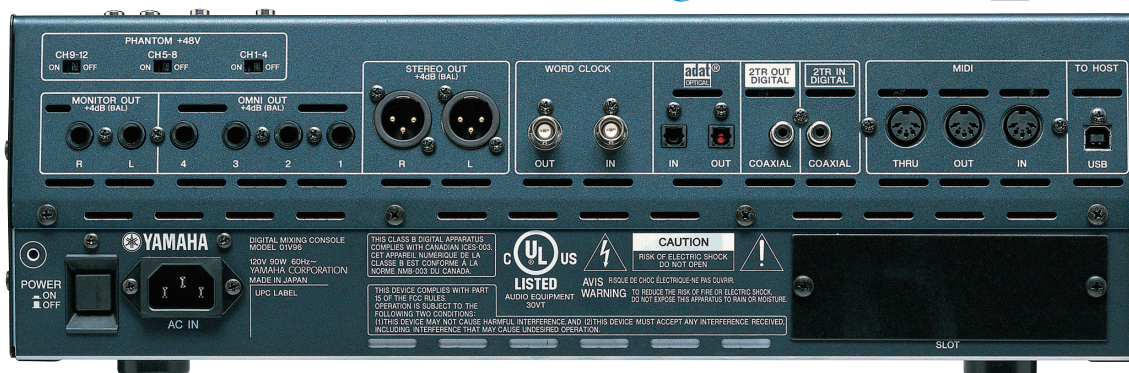
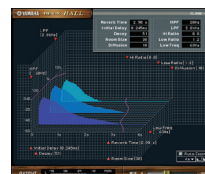


# 01V96VCM

## Digital Mixing Console



## 01V96VCM



Rear Panel

### *Still Small and Professional —Now with VCM Effects.*

- Precise 24-bit/96-kHz audio and high-performance head amps.
- Generous mixing capacity with up to 40 simultaneous inputs and 20 mix buses (20 buses: a main stereo program bus, 8 individual mixing buses, 2 solo buses, and 8 auxiliary buses) in a compact rack-size mixer.
- Digital I/O via 8-channel optical ADAT and coaxial 2-track inputs and outputs.
- I/O expansion slot accepts mini-YGDAI cards for up to 16 additional channels of I/O in a variety analog or digital formats.
- Powerful channel functions with flexible control and digital patching capability.
- Four advanced multi-effect processors at 44.1/48 kHz, or two at 88.2/96 kHz
- Comprehensive interface with large LCD, 100-mm motor faders, and dedicated scene memory keys.
- Versatile channel pairing and grouping functions enhance mixing efficiency.
- Compatible with both Windows or Macintosh versions of Studio Manager version2 Software, allowing your PC and console to work together seamlessly.
- Easy integration with computer-based DAWs (Digital Audio Workstations) or digital recorders.
- Cascade Link function allows two 01V96 consoles to be connected to provide up to 80 input channels.
- A new dimension of production power with the addition of Yamaha VCM Channel Strip and Rev-X effects.

#### OPTIONS

**RK-1**  
Rack-mount Kit

**AE-021**  
MASTER STRIP

**AE-051**  
VINTAGE STOMP



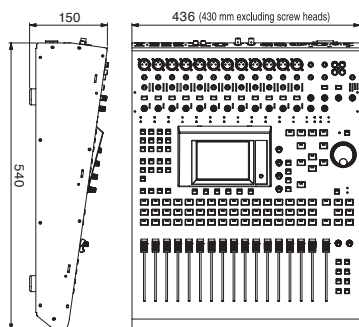
## GENERAL SPECIFICATIONS

|  |   |
|--|---|
| <b>Internal processing</b>   | 32bit (Accumulator=58bit)   |
| <b>Number of scene memories</b>  | 99  |
| <b>Sampling frequency rate</b>   | Internal : 44.1kHz, 48kHz, 88.2kHz, 96kHz<br>External: Normal rate 44.1kHz (-10%) to 48kHz (+6%)<br>Double rate 88.2kHz (-10%) to 96kHz (+6%)   |
| <b>Signal Delay</b>  | Less than 1.6 ms CH INPUT to STEREO OUT (@fs=48 kHz)<br>Less than 0.8 ms CH INPUT to STEREO OUT (@fs=96 kHz)  |
| <b>Total harmonic distortion**1</b><br>CH INPUT to STEREO OUT<br>Input Gain=Min.   | Less than 0.05%, 20Hz to 20kHz @+14dBu into 600Ω<br>Less than 0.01%, 1kHz @+24dBu into 600Ω (@fs=48kHz)<br>Less than 0.05%, 20Hz to 40kHz @+14dBu into 600Ω<br>Less than 0.01%, 1kHz @+24dBu into 600Ω (@fs=96kHz)  |
| <b>Frequency response</b><br>CH INPUT to STEREO OUT  | 20Hz - 20kHz, 0.5, -1.5dB, @+4dBu into 600Ω (@fs=48kHz)<br>20Hz - 40kHz, 0.5, -1.5dB, @+4dBu into 600Ω (@fs=96kHz)  |
| <b>Dynamic range</b><br>(maximum level to noise level)   | 110dB typ. DA Converter (STEREO OUT)<br>105dB typ. AD+DA (to STEREO OUT)  |
| <b>Hum &amp; noise level**2</b><br>(20Hz to 20kHz)<br>Rs=150ohms<br>Input Gain=Max<br>Input Pad=0dB<br>Input Sensitivity=-60dB | -128dBu Equivalent Input Noise<br>-86dBu residual output noise. STEREO OUT(STEREO OUT off)<br>-86dBu(96dB S/N) STEREO OUT(STEREO fader at nominal level and all CH INPUT faders at minimum level)<br>-64dBu(68dB S/N) STEREO OUT(STEREO fader at nominal level and one CH INPUT fader at nominal level) |
| <b>Crosstalk</b> (@1kHz)<br>Input Gain=Min.  | -80dB adjacent input channels (CH1-12)<br>-80dB adjacent input channels (CH13-16)<br>-80dB input to output  |
| <b>Phantom Power</b>   | +48V  |
| <b>Power requirements</b>  | Japan: AC100V 50/60Hz<br>North America: AC120V, 60Hz<br>Other Areas: AC220-240V, 50/60Hz  |
| <b>Power consumption</b>   | 90W   |
| <b>Dimensions</b> (W x H x D)  | 436 x 150 x 540mm (16-15/16" x 5-5/16" x 21-1/4")   |
| <b>Weight</b>  | 15.0kg (33.1lbs.)   |

\*1 Total harmonic distortion is measured with a 18dB/Oct filter @80kHz.

\*2 Hum & noise level is measured with a 6dB/oct filter @12.7kHz; equivalent to 20kHz filter with infinite dB/Oct attenuation.

## DIMENSIONS



unit : mm

## ANALOG INPUT SPECIFICATIONS

| Input terminal    |     |       | Actual source impedance | For use with nominal      | Input level |         |                  | Connector                            |
|-------------------|-----|-------|-------------------------|---------------------------|-------------|---------|------------------|--------------------------------------|
|                   | PAD | GAIN  |                         |                           | Sensitivity | Nominal | Max. before clip |                                      |
| CH INPUT 1-12     | 0   | -60dB | 3kΩ                     | 50-600Ω Mics & 600Ω Lines | -70dBu      | -60dBu  | -40dBu           | A:XLR3-31 type*<br>B:TRS Phone Jack* |
|                   | 20  | -16dB |                         |                           | -26dBu      | -16dBu  | +4dBu            |                                      |
| CH INPUT 13-16    |     | -26dB | 10kΩ                    | 600Ω Lines                | -6dBu       | +4dBu   | +24dBu           | TRS Phone Jack*                      |
|                   |     | +4dB  |                         |                           | -36dBu      | -26dBu  | -6dBu            |                                      |
| CH INSERT IN 1-12 |     |       | 10kΩ                    | 600Ω Lines                | -12dBu      | -2dBu   | +18dBu           | TRS Phone Jack**                     |
| 2TR IN [L,R]      |     |       | 10kΩ                    | 600Ω Lines                | -10dBV      | -10dBV  | +10dBV           | RCA Pin Jack**                       |

## ANALOG OUTPUT SPECIFICATIONS

| Output terminal    | Actual source impedance | For use with nominal | Output terminals |                  | Connector        |
|--------------------|-------------------------|----------------------|------------------|------------------|------------------|
|                    |                         |                      | Nominal          | Max. before clip |                  |
| STEREO OUT[L,R]    | 75Ω                     | 600Ω Lines           | +4dBu            | +24dBu           | XLR3-32 type*    |
| OMNI OUT 1-4       | 75Ω                     | 10kΩ Lines           | +4dBu            | +24dBu           | TRS Phone Jack*  |
| MONITOR OUT[L,R]   | 75Ω                     | 10kΩ Lines           | +4dBu            | +24dBu           | TRS Phone Jack*  |
| CH INSERT OUT 1-12 | 600Ω                    | 10kΩ Lines           | -2dBu            | +18dBu           | TRS Phone Jack** |
| 2TR OUT[L,R]       | 10kΩ                    | 600Ω Lines           | -10dBV           | +10dBV           | RCA Pin Jack**   |
| PHONES             | 100Ω                    | 8Ω Phones            | 4mW              | 25mW             | ST Phone Jack**  |
|                    |                         | 40Ω Phones           | 12mW             | 75mW             |                  |

## DIGITAL INPUT SPECIFICATIONS

| Terminal       | Format    | Data length | Level      | Connector    |
|----------------|-----------|-------------|------------|--------------|
| 2TR IN DIGITAL | IEC-60958 | 24bit       | 0.5Vpp/75Ω | RCA Pin Jack |
| ADAT IN        | ADAT      | 24bit       | —          | OPTICAL      |

## DIGITAL OUTPUT SPECIFICATIONS

| Terminal        | Format                   | Data length | Level      | Connector    |
|-----------------|--------------------------|-------------|------------|--------------|
| 2TR OUT DIGITAL | IEC-60958 (Consumer Use) | 24bit       | 0.5Vpp/75Ω | RCA Pin Jack |
| ADAT OUT        | ADAT                     | 24bit       | —          | OPTICAL      |

## CONTROL I/O SPECIFICATIONS

| Terminal   |      | Format | Level     | Connector            |
|------------|------|--------|-----------|----------------------|
| TO HOST    |      | USB    | 0 V~3.3 V | B Type USB Connector |
| MIDI       | IN   | MIDI   | —         | DIN Connector 5P     |
|            | OUT  | MIDI   | —         | DIN Connector 5P     |
|            | THRU | MIDI   | —         | DIN Connector 5P     |
| WORD CLOCK | IN   | —      | TTL/75Ω   | BNC Connector        |
|            | OUT  | —      | TTL/75Ω   | BNC Connector        |



