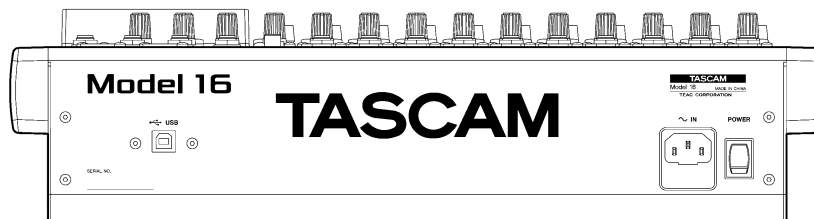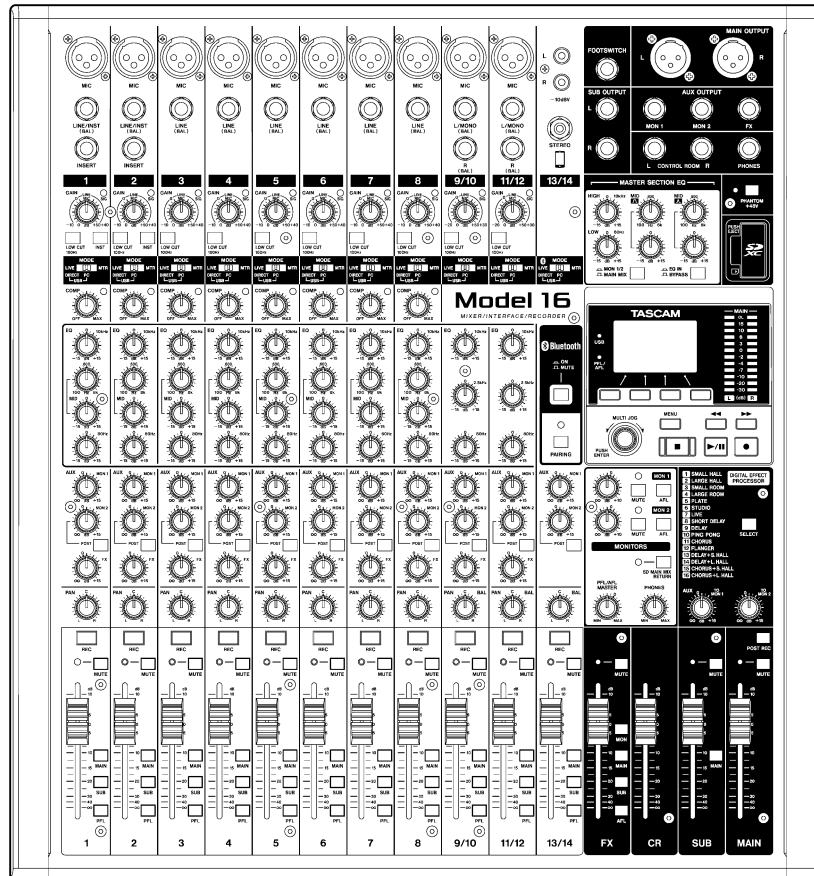Aug, 2019

Product Spec Sheet
Multitrack Live Recording Console
Model 16

■ Specifications

General

• Supported media

　SD cards (Class 10 or more)

　SDHC cards (Class 10 or more)

　SDXC cards (Class 10 or more)

• File System

SD card:	FAT16
SDHC card:	FAT32
SDXC card:	exFAT

・Recording file formats
  WAV (BWF): 44.1/48 kHz, 16/24-bit (Maximum file size: 2 GB)
・Playback file formats
  WAV (BWF): 44.1/48 kHz, 16/24-bit
・Recordable Channel
  Max. 16 channels (14 ch + 2 stereo mix)

Inputs and outputs
Analog audio input and output ratings
・MIC input jacks (1–8, 9, 11)
  Connectors: XLR-3-31 (1: GND, 2: HOT, 3: COLD)
  Maximum input level: +10 dBu
  Nominal input level: −8 dBu
  Minimum input level: −58 dBu
  Gain adjustment range: 0 – 50 dB
  Input impedance: 1.8 kΩ
・LINE/INST (BAL) input jacks (1–2)
  Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
  Maximum input level: +22 dBu
  Nominal input level: +4 dBu
  Gain adjustment range: −10 – +40 dB
  Input impedance: 22 kΩ(LINE)/1 MΩ(INST)
・LINE (BAL) input jacks (3–8)
  Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
  Maximum input level: +22 dBu
  Nominal input level: +4 dBu
  Gain adjustment range: −10 – +40 dB
  Input impedance: 22 kΩ
・L/MONO (BAL) / R (BAL) input jacks (9/10–11/12)
  Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
  Maximum input level: +22 dBu
  Nominal input level: +4 dBu
  Gain adjustment range: −20 – +30 dB
  Input impedance: 18 kΩ
・INSERT jacks (1–2)
  Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: SEND, Ring: RETURN, Sleeve: GND)
  RETURN (Ring)
    Nominal input level: 0 dBu
    Maximum input level: +18 dBu
    Input impedance: 10 kΩ
  SEND (Tip)
    Nominal output level: 0 dBu
    Maximum output level: +18 dBu
    Output impedance: 100 Ω
・−10dBV input jacks (13/14)
  Connectors: RCA pin jacks
  Maximum input level: +8 dBV
  Nominal input level: −10 dBV
  Input impedance: 10 kΩ
・STEREO input jack (13/14)
  Connector: 3.5 mm stereo mini jack
  Maximum input level: +8 dBV
  Nominal input level: −10 dBV

Input impedance: 10 kΩ
MAIN OUTPUT L/R jacks
Connectors: XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Nominal output level: +4 dBu
Maximum output level: +22 dBu
Output impedance: 200 Ω
SUB OUTPUT L/R jacks
Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Nominal output level:: −2 dBu
Maximum output level: +16 dBu
Output impedance: 200 Ω
AUX OUTPUT MON 1/2 jacks
Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Nominal output level:: −2 dBu
Maximum output level: +16 dBu
Output impedance: 200 Ω
AUX OUTPUT FX jack
Connector: 6.3 mm (1/4") standard TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Nominal output level: −2 dBu
Maximum output level: +16 dBu
Output impedance: 200 Ω
CONTROL ROOM L/R jacks
Connectors: 6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Rated output level: −2 dBu
Maximum output level: +16 dBu
Output impedance: 200 Ω
PHONES jack
Connector: 6.3 mm (1/4") standard stereo jack
Maximum output: 80 mW + 80 mW (32 Ω load)

Control input/output
FOOTSWITCH jack
Connector: 6.3 mm (1/4") standard TS jacks (Tip: HOT, Sleeve: GND, Unlatch type correspondence)
USB port
Connector: 4-pin USB B-type
Protocol: USB 2.0 HIGH SPEED (480 Mbps)

Computer system requirements
Check the TEAC Global Site (http://teac-global.com/) for the latest information about supported operating systems.

Windows
Supported operating systems
Windows 10 32-bit
Windows 10 64-bit
Windows 8.1 32-bit
Windows 8.1 64-bit
Windows 7 32-bit SP1 or later
Windows 7 64-bit SP1 or later
(Windows 8, Windows Vista and Windows XP are not supported)

- **Computer hardware requirements**
  Windows computer with a USB 2.0 (or higher) port
- **CPU/processor speed**
  2 GHz or faster dual core processor (x86)
- **Memory**
  2 GB or more

ATTENTION

Operation of this unit was confirmed using standard computers that meet the above requirements. This does not guarantee operation with all computers that meet the above requirements. Even computers that meet the same system requirements might have processing capabilities that differ according to their settings and other operating conditions.

Mac
- **Supported operating systems**
  macOS Mojave (10.14 or later)
  macOS High Sierra (10.13 or later)
  macOS Sierra (10.12 or later)
- **Computer hardware requirements**
  Mac with a USB 2.0 (or higher) port
- **CPU/processor speed**
  2 GHz or faster dual core processor
- **Memory**
  2 GB or more

Supported audio drivers
- **Windows**
  ASIO2.0, WDM
- **Mac**
  Core Audio

Audio performance
- **Noise**
  Residual output noise (22 kHz, A−weighted)
MAIN MIX OFF:	−100 dBu
MAIN MIX −0dB, 1ch−0dB:	−80 dBu
  Equivalent input noise (EIN)
  −127 dBu (Rs = 150 Ω MIC IN → INSERT SEND, gain knob at MAX, A−weighted)
- **Total harmonic distortion ratio (THD+N)**
  (gain knob at MIN, 1 kHz)
MIC IN → MAIN OUT:	0.01% or less
MIC IN → MAIN OUT:	0.004% @ +4 dBu
- **Frequency response**
  (All **GAIN** knobs minimized, 1 kHz)
  20 Hz to 30 kHz (+0.5/−1.0 dB: Analog)
  20 Hz to 20 kHz (+0.5/−1.0 dB: Digital)
- **Crosstalk**
  (**PAN** knobs turned completely left or right, 1 kHz)
Between channels:	−80 dB
Between input and output:	−80 dB
- **Maximum gain**
  (All **GAIN** knobs maximized, **PAN** knobs turned completely left or right, **EQ** knobs and **MASTER SECTION EQ** knobs at middle positions)

    MIC → MAIN OUT: 74 dB
    MIC → INSERT OUT: 54 dB
    MIC → SUB OUT: 74 dB
    MIC → CONTROL ROOM OUT: 79 dB
    MIC → MONITOR OUT: 75 dB
    MIC → FX OUT: 75 dB
    USB/SD → MAIN OUT: 24 dB

・Phantom Power
  +48 V

Bluetooth

・Bluetooth version: 5.0
  Output class: 2 (about 10 m* unobstructed transmission distance)
  Supported profiles: A2DP
  Supported A2DP codecs: SBC, AAC
  Supported A2DP content protection: SCMS-T

* The transmission distance is only an estimate and might vary depending on the surrounding environment
  and radio wave conditions.

Other

・Power
  AC100–240 V, 50–60 Hz
・Power consumption
  40 W
・Dimensions
  With side panels
    430.0 × 112.9 × 463.0 mm (W x H x D, including protrusions)
  Without side panels
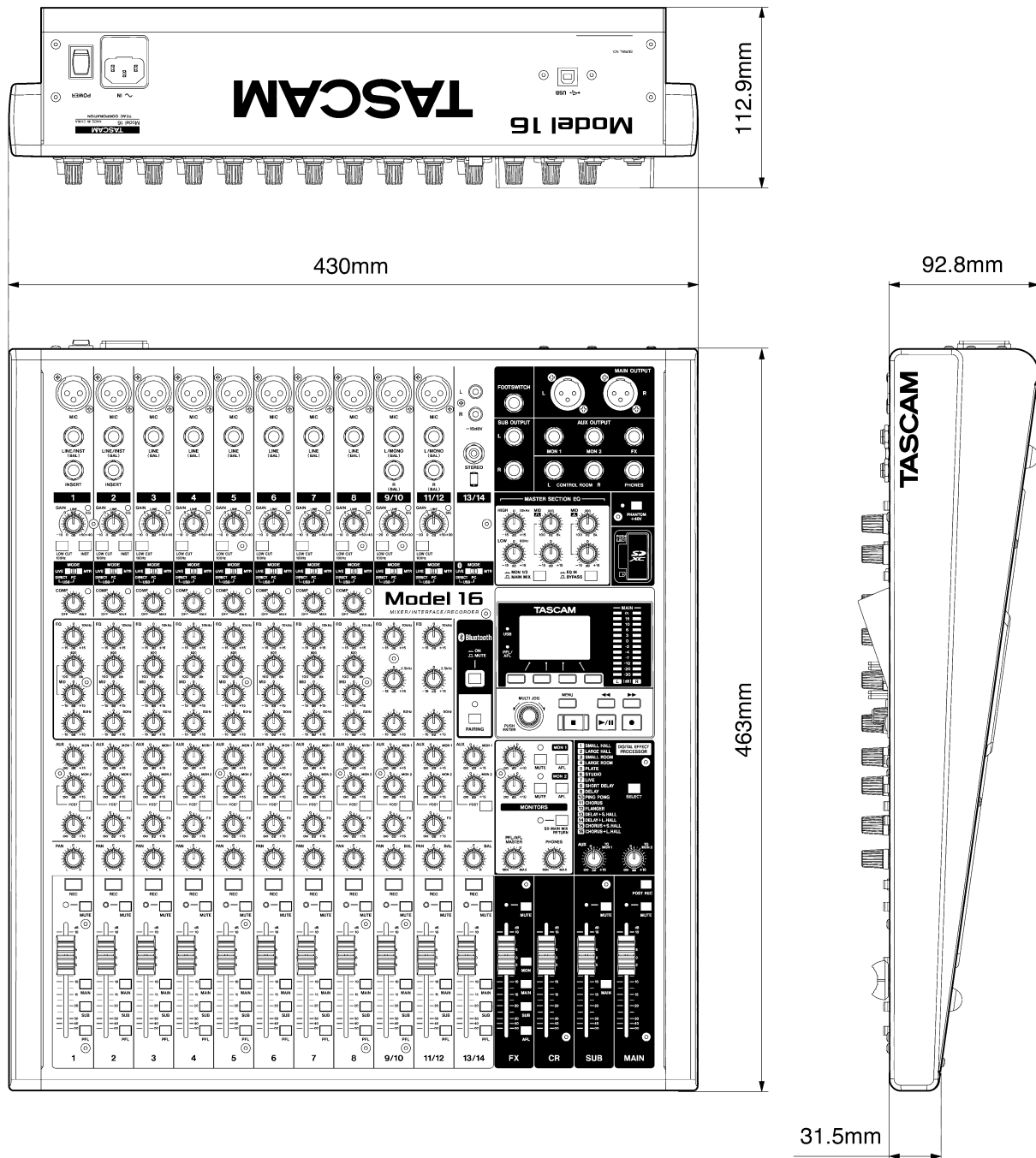   390.0 × 112.9 × 463.0 mm (W x H x D, including protrusions)
・Weight
  7 kg
・Operating temperature range
  5 – 35°C (41 – 95°F)

■ Dimensional drawings

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