logo

TASCAM MODEL 16 - Pasivna mikseta - Mikseta bez snage

Šifra: 14885
Kategorija prozivoda: Miksete bez Snage
Proizvođač: TASCAM

Cena: 83.880,00 rsd

for Complete Flexibility

14 easy-to-access top-panel inputs provide flexible options for microphones, instruments or other audio sources. You can connect up to 10 mics, 14 line signals or two instruments for live recording or mixing. There is also a Bluetooth 5.0 enabled stereo input for a streaming audio device that also provides (selectable) RCA connectors and a stereo mini jack for direct connection of CD player or mobile playback device.

Tascam Ultra HDDA Mic Preamps

Pristine Audio Quality

Mic inputs 1 through 8 deliver pristine audio quality, featuring Tascam's Ultra-HDDA (High Definition Discrete Architecture) technology for pure, transparent natural tone with ultra-low noise.

Professional Channel Strip Control Features on the Tascam Model 16

Professional Channel Strip Control Features

A tactile Gain knob tops each channel for precise tweaking of input levels. A push-button low-cut filter and three-position input selector (Live/PC/MTR) facilitate quick and easy control of input source signals. A 1-knob inline compressor is available on inputs 1–8 as is a 3-band EQ with sweepable mid range.

Maximum Audio Routing Possibilities and Monitoring on the Tascam Model 16

Maximum Audio Routing Possibilities and Monitoring

Three Aux busses (Monitor 1, Monitor 2 (pre/post) and Effects) and PFL (Pre Fader Listen) round out the Model 16's pro-level signal path routing options. A Sub group provides an additional pair of stereo line outputs which can be used to drive an additional amplifier, for example.

The three Aux outs let you route audio signals for stage monitoring, or to external gear such as outboard effects, signal processors or headphone mixes. And an additional Control Room output with individual level fader can be used to drive a pair of powered studio monitors.

Powerful Internal 16-Track Multi-track Digital Recorder on the Tascam Model 16

Powerful Internal 16-Track Digital Recorder

The Model 16's multi-track section features a powerful internal 16-track digital recorder, capturing 14 input signals and the main stereo mix simultaneously to an internal SD card in pristine 48-kHz/24-bit quality. Record anything from live performance to rehearsals, worship events, spoken word and meetings. You can also perform overdubs and punch-in/out quickly and easily. And you can use an optional footswitch for hands-free operation of selected functions.

Recorded tracks can be immediately mixed, mastered or exported to a computer for further editing, formatting and publishing.

Tascam Model 16 With High-Quality Internal Audio Interface

High-Quality Internal Audio Interface

An internal USB audio interface with 16 inputs and 14 outputs captures audio at a sampling rate of 48 kHz and with 24-bit resolution for recording or playing back from an external DAW (Digital Audio Workstation). The new-generation Tascam USB driver allows a minimum size of the audio buffer which can be set to as low as four samples. This results in extremely low latency and the highest level of efficiency when recording audio.

Versatile Input Capability on the Tascam Model 16

Versatile Input Capability

Using the channel Mode switch, each channel can select the input source as needed. This allows a super flexible input configuration to be selected where some inputs can be live, other inputs can play tracks from the internal multi-track recorder, while other inputs can play tracks from a computer via USB, all simultaneously.

16 Editable Multi-Effects on the Tascam Model

16 Editable Multi-Effects

The Model 16's versatile effects section offers 16 editable and foot-controllable multi-effects, including reverb, delay, chorus, flanger and others. Each effect allows one parameter to be changed using the menu. The selected effect can be mixed to the main stereo output using its dedicated fader and can also be applied to monitor busses 1 and 2.

Four-Band Master EQ on the Tascam Model 16

4-Band Master EQ

A four-band equalizer with two (wide/narrow Q) sweepable mid-bands can be dialed in for crafting the perfect mix. You can assign this EQ to the main outs or monitor 1/2 outs as you like.

Optimally prepared for live streaming of musical performances or talk shows, and podcast production

Model 16 offers a USB stereo mix mode that makes podcast recording or broadcasting convenient and easy. All you need for this is a laptop or tablet computer or a smartphone with a suitable streaming application. Background music or other audio signals can also be fed from your computer or smartphone into Model 16 to be combined with live signals. The mixed sound will then transfer back to the computer for recording or streaming.

Live streaming or podcast recording with a computer

Live streaming or podcast recording with a smartphone

Options and Accessories

You can expand your recording and mixing possibilities with optional accessories like the RC-1F Footswitch, AK-RM16 Rack Mount Kit, AK-DC16 Dust Cover, TM-Series microphones, and TH-02 headphones.

Features at a glance

14-channel analogue mixing console with built-in 16-channel multi-track recorder and USB audio interface

Mixer features

14 analogue inputs

10 Tascam Ultra-HDDA microphone preamps with switchable phantom power (48 V) on eight mono and two stereo channels

12 balanced line inputs (8 mono, 2 stereo)

One multi-purpose stereo channel for input from mobile devices via Bluetooth or via RCA connectors or stereo mini-jack connector (CH 13/14)

Inserts on input channels 1 and 2

Channels 1 and 2 can be used with high-impedance instruments like electric guitars/basses

Three Aux outputs (monitor 1 (pre fader), monitor 2 (pre/post fader), effects (post fader))

Three stereo outputs with independent master faders (Main, Sub, Control Room)

One-knob compressor for channels 1–8

Switchable low-cut filter (100 Hz) for eight mono and two stereo channels

Switchable Mute, Stereo/Sub routing and PFL on each input channel

Three-band equalizer with sweepable mids for eight mono channels, fixed mids on stereo channels

Semi-parametric EQ with two sweepable mid bands (wide/narrow) for stereo and sub outputs

Built-in Bluetooth receiver for wireless playback

On-board effects processor

16 effects types

Can be used on all input channels, monitor busses, sub and main stereo bus

Can be turned on/off by an optional footswitch (Tascam RC-1F)

60-mm faders on each channel

12-segment LED output level meters

XLR balanced outputs for main stereo bus

TRS balanced outputs for sub, control room, monitor 1/2 and effects send

Headphones output with level control (80 mW per channel)

Recorder features

Tascam multi-track recording engine

Uses SD cards as recording media (up to 512 GB, Class 10 or higher required)

Up to 16 tracks (14 input channels + stereo mix) can be recorded without the need for a computer

Recording format: WAV (BWF), 44.1/48 kHz, 16/24 Bit

Playback format: WAV (BWF)

Overdubbing, punch in/out recording (eight channels maximum)

Multi-track playback for advanced live performance

Illuminated Play/Record/Stop buttons for better legibility in poorly lit environments

Audio interface features

USB 2.0 audio interface for use with Windows (ASIO) and Mac (Core Audio) computers

Transfer to computer: 16 channels (all 14 inputs + stereo mix)

Transfer from computer: 14 channels, assignable to each channel input

Audio resolution 44.1/48 kHz, 16/24 bit

Other features

Simple and quick menu operation with multi-jog dial

19-inch rack installation possible (with optional rackmount kit)

Internal power supply with removable power cord

Supported Operating Systems

Windows

Windows 10 (October 2020, Version 20H2) Windows 10 (May 2020 Update 2004) Windows 10 (November 2019 Update 1909) Windows 8.1 Windows 7

Mac

macOS Big Sur (11.0) macOS Catalina (10.15) macOS Mojave (10.14) macOS High Sierra (10.13)

iOS

iOS 14 / iPadOS 14 iOS 12 iOS 11

Specifications

Recorder

Sampling frequency
44.1 kHz, 48 kHz

Bit depth
16 bit, 24 bit

Recordable channels
16 channels max. (14 channels + stereo mix)

Audio inputs and outputs

Microphone inputs (CH 1–8,9,11)
XLR-3-31, balanced
(1: GND, 2: HOT, 3: COLD)

Maximum input level
+10 dBu

Nominal input level
–8 dBu

Minimum input level
–58 dBu

Gain adjustable range
0–50 dB

Input impedance
1.8 kΩ

LINE inputs (CH 1–8)
6.3-mm TRS phone jack, balanced

Maximum input level
+22 dBu

Audio inputs and outputs

Nominal input level
+4 dBu

Gain adjustable range
–10 dB to +40 dB (CH 1–8)
–20 dB to +30 dB (CH 9, 11)

Input impedance
22 kΩ

INSERT (CH 1–2)
6.3-mm TRS phone jack
(Tip: Send, Ring: Return, Sleeve: GND)

Nominal input level
0 dBu

Maximum input level
+18 dBu

Input impedance
10 kΩ

Nominal output level
0 dBu

Maximum output level
+18 dBu

Output impedance
100 Ω

STEREO inputs (CH 13-14)
RCA pin jack, unbalanced
3.5-mm stereo mini jack, unbalanced

Maximum input level
+8 dBV

Nominal input level
–10 dBV

Input impedance
10 kΩ

Audio inputs and outputs

MAIN output
XLR-3-32, balanced
(1: GND, 2: HOT, 3:COLD)

Maximum output level
+4 dBu

Nominal output level
+22 dBu

Output impedance
200 Ω

SUB OUT, MONITOR, FX OUT, CONTROL ROOM OUT
6.3-mm TRS, balanced
(Tip: HOT, Ring: COLD, Sleeve: GND)

Nominal output level
–2 dBu

Maximum output level
+16 dBu

Output impedance
200 Ω

PHONES OUT
6.3-mm stereo phone jack

Maximum output power
80 mW + 80 mW (at 32 Ω)

Channel EQ

Low cut
100 Hz, –18 dB/Oct.

High (shelving)
12 kHz, ±15 dB

Audio inputs and outputs

Mid (peaking)
variable 100 Hz to 8 kHz, ±15 dB (Mono)
fixed 600 Hz, ±15 dB (Stereo)
Q = 0.55

Low (shelving)
80 Hz, ±15 dB

Master EQ

High (shelving)
10 kHz, ±15 dB

Mid (wide)
variable 100 Hz to 8 kHz, ±15 dB (Mono), Q = 0.5

Mid (narrow)
variable 100 Hz to 8 kHz, ±15 dB (Mono), Q = 5

Footswitch connector
6.3-mm TS phone jack (Tascam genuine footswitch
RC-1F recommended)

Audio performance

Residual output noise
–100 dBu
(MAIN OUT, MAIN fader at min.)

Equivalent input noise (EIN)
–128 dBu
(Mono input channel at 150 Ω, GAIN at max.)

Total harmonic distortion (THD+N)
<0.01 % (MIC IN-> MAIN OUT, 1 kHz, GAIN at min.,
+10 dBu)
<0.004 % (MIC IN-> MAIN OUT, 1 kHz, GAIN at min.,
+4 dBu)

Frequency response
Analogue: 20 Hz to 30 kHz, +0.5/–1.0 dB
Digital: 20 Hz to 20 kHz, +0.5/–1.0 dB

Audio performance

Channel crosstalk
–80 dB
(1 kHz, PAN fully counter-clockwise / fully clockwise)

Maximum gain
74 dB (MIC to MAIN OUT)
54 dB (MIC to INSERT OUT)
74 dB (MIC to SUB OUT)
79 dB (MIC to CR OUT)
76 dB (MIC to MONITOR OUT)
75 dB (MIC to FX OUT)
24 dB (USB/SD to MAIN OUT)
(all EQs flat, PAN fully counter-clockwise / fully clockwise, GAIN knobs at max.)

Computer system requirements

Windows

Compatible computers
Windows-compatible computer with a USB 2.0 (or higher) port

CPU type/speed
Dual core, 2 GHz or faster

Memory
2 GB or more

Drivers
USB Audio Class 2.0, ASIO 2.0, WDM (MME)

Screen resolution
1280 px × 800 px or more

Macintosh

Compatible computers
Apple Mac computer with a USB 2.0 (or higher) port

Computer system requirements

CPU type/speed
Dual core, 2 GHz or faster

Memory
2 GB or more

Driver
Core Audio

Screen resolution
1280 px × 800 px or more

USB audio specifications

Sampling rate
44.1 kHz, 48 kHz

Bit depth
16 bit, 24 bit

Maximum number of audio channels
16 inputs, 14 outputs

Bluetooth®

Version 5.0

Output class
Class 2 (approximate transmission distance: 10 m) * The transmission distance is approximate. The transmission distance could vary depending on the surrounding environment and electromagnetic disturbances.

Supported profiles
A2DP, AVRCP 1.0

Supported A2DP codecs
SBC, AAC

A2DP content protection
SCMS-T

Power supply and other specifications

Power
AC 100–240 V, 50/60 Hz

Power consumption
40 W

Dimensions (W × D × H, overall)
430 mm × 463 mm × 113 mm

Weight
7 kg

Permissible operating temperature range
5–35 °C

Included items
AC power cord, Owner's manual incl. warranty