

# Technical Specifications and Accessories

	Model 24	Model 16	Model 12
Microphone inputs (XLR)	16	10	8
Balanced line inputs (6.3-mm TRS jack)	20 (12 mono, 4 stereo)	12 (8 mono, 2 stereo)	10 (6 mono, 2 stereo)
Additional stereo input	Bluetooth, RCA, mini-jack (channel pair 21/22)	Bluetooth, RCA, mini-jack (channel pair 13/14)	Bluetooth, TRRS smartphone jack (channel pair 9/10)
Inserts	2 (channels 1–2)	2 (channels 1–2)	2 (channels 1–2)
Instrument inputs	2 (channels 1–2)	2 (channels 1–2)	8 (channels 1–7, 9)
Switchable phantom power (48 V)	for all microphone inputs together	for all microphone inputs together	for all microphone inputs together
Switchable low-cut filter	100 Hz, 18 dB/octave (in each mono and stereo channel)	100 Hz, 18 dB/octave (in each mono and stereo channel)	100 Hz, 18 dB/octave (in each mono and stereo channel)
1-knob compressor (with LED indicator)	Channels 1–12	Channels 1–8	Channels 1–6, 7/8, 9/10
Equalization, mono channels	Low, sweepable Mids, High (80 Hz, 100–8000 Hz, 12 kHz, ±15 dB)	Low, sweepable Mids, High (80 Hz, 100–8000 Hz, 10 kHz, ±15 dB)	Low, sweepable Mids, High (80 Hz, 100–8000 Hz, 10 kHz, ±15 dB)
Equalization, stereo channels	80 Hz, 600 Hz, 12 kHz, ±15 dB	80 Hz, 600 Hz, 10 kHz, ±15 dB	same as mono channels
Equalization, stereo mix	7-band graphic stereo EQ (switchable to Mon 1/2) 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, ±15 dB	Low, two sweepable Mid bands, High (60 Hz, 100–8000 Hz (Q=0.5/5), 10 kHz, ±15 dB)	Low, two sweepable Mid bands, High (60 Hz, 100–8000 Hz (Q=0.5/5), 10 kHz, ±15 dB)
Aux busses	Mon 1, Mon 2, Effects	Mon 1, Mon 2 (pre/post), Effects	Aux 1, Aux 2 / Effects
Soloing	PFL/AFL	PFL/AFL	PFL/IPS
Other channel features	Record-ready switches, mute switches, routing switches (subgroup, main mix)	Record-ready switches, mute switches, routing switches (subgroup, main mix)	Record-ready switches, mute switches, routing switches (subgroup, main mix)
Effects processor	16 effects types, 1 variable parameter	16 effects types, 1 variable parameter	16 effects types, 1 variable parameter
Channel faders	17 (channels 1–12, 13/14, 15/16, 17/18, 19/20, 21/22)	11 (channels 1–8, 9/10, 11/16, 17/18, 19/20, 21/22)	8 (channels 1–6, 7/8, 9/10, 17/18, 19/20, 21/22)
Other faders	Sub group, Monitor 1, Monitor 2, Main mix	Sub group, Control room, Effects, Main mix	Sub group, Effects, Main mix
Stereo outputs	Main (XLR), Sub (TRS, balanced), Control room (TRS, balanced)	Main (XLR), Sub (TRS, balanced), Control room (TRS, balanced)	Main (XLR), Sub (TRS, balanced)
Aux outputs (6.3-mm TRS jack, balanced)	Mon 1, Mon 2, Effects	Mon 1, Mon 2, Effects	Aux 1, Aux 2
Headphones output with level control	6.3-mm stereo phone jack (2 × 80 mW)	6.3-mm stereo phone jack (2 × 80 mW)	2 (separately adjustable, 2 × 45 mW each)
Other connectors	Foot switch (for Play/Pause, Punch in/out or FX on/off), USB (for interface mode)	Foot switch (for Play/Pause, Punch in/out or FX on/off), USB (for interface mode)	Foot switch, click output with tap tempo feature, USB (for interface mode)
Built-in recorder	24 tracks (22 input channels + main mix), WAV format (44.1/48 kHz, 16/24 Bit)	16 tracks (14 input channels + main mix), WAV format (44.1/48 kHz, 16/24 Bit)	12 tracks (10 input channels + main mix), WAV format (44.1/48 kHz, 16/24 Bit)
Recording media	SD cards up to 512 GB, Class 10 or higher	SD cards up to 512 GB, Class 10 or higher	SD cards up to 512 GB, Class 10 or higher
USB audio interface	outgoing: 22 input channels + main mix incoming: 22 channels, assignable	outgoing: 14 input channels + main mix incoming: 14 channels, assignable	outgoing: 10 input channels + main mix incoming: 10 channels, assignable
Bluetooth specification	Class 2, version 4.0, profiles: A2DP, AVRCP 1.0, A2DP codecs: SBC, AAC	Class 2, version 4.0, profiles: A2DP, AVRCP 1.0, A2DP codecs: SBC, AAC	Class 2, version 4.0, profiles: A2DP, AVRCP 1.0, A2DP codecs: SBC, AAC
Equivalent input noise (EIN)	–128 dBu	–128 dBu	–128 dBu
Frequency response	Analogue: 20 Hz – 30 kHz +0.5/–1 dB Digital: 20 Hz – 20 kHz +0.5/–1 dB	Analogue: 20 Hz – 30 kHz +0.5/–1 dB Digital: 20 Hz – 20 kHz +0.5/–1 dB	20 Hz – 20 kHz +0.1/–0.15 dB
Distortion (THD)	<0.004 % (GAIN set to min., +4 dBu)	<0.004 % (GAIN set to min., +4 dBu)	<0.003 % (GAIN set to min., +2 dBu)
Power consumption	52 W	40 W	16 W
Dimensions (W × D × H)	577 mm × 529 mm × 106 mm (overall)	430 mm × 463 mm × 113 mm (overall)	343 mm × 360 mm × 99 mm
Weight	10.4 kg	7 kg	4.3 kg



AK-DC24: Dust cover for Model 24



AK-DC16: Dust cover for Model 16



AK-RM16: Rack mount kit for Model 16



CS-MODEL12: Carrying bag for Model 12



RC-1F: Footswitch



TM-80: Condenser microphone



TM-90BM: Boundary condenser microphone



TA-1VP: Vocal Processor

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## All-in-one Production Studios

### Model 24 Model 16 Model 12



Mixers With Multi-Track Recorder, Audio Interface & More



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# Model 24

## The Classics, Reborn and Highly Alive.

The best mix of analogue tradition and digital progress

Model 24 and Model 16 both combine three different functions under one roof and cut a fine figure as a multi-track digital audio recorder and multi-channel USB audio interface as well as a feature-rich analogue mixer. Whether for rehearsals, live performances, music or multimedia productions, these easy-to-use tools not only let you mix and record live music and speech, but also play back and mix in audio tracks from the built-in recorder or a connected Digital Audio Workstation at any time.

### Model 24:

- 22 analogue inputs (12 mono, 5 stereo, incl. 1x Bluetooth/RCA/mini-jack)
- 24-track audio recorder (22 input channels + stereo mix)
- 24-channel audio interface (22 input channels + stereo mix)
- Single-knob compressor (channels 1–12), 7-band equalizer for stereo bus or aux bus



Optional:  
19-inch  
Rack Mount Kit



# Model 16

Model 16 offers the same first-class sound quality as Model 24, but thanks to its significantly smaller dimensions it can also be installed in a rack with two optional brackets to save space – ideal for mobile use, for example. Other differences are the 4-band equalizer instead of a 7-band EQ for stereo mix and subgroup, space-saving 60-mm faders and a separate control room output with its own fader, for example to feed a pair of powered monitor speakers in your home studio.

## So small – yet so big.

Our most versatile audio tool since the invention of the Portastudio

Like its big siblings, Model 12 consists of a mixer, multi-track recorder and USB audio interface and can also control a DAW. With ten inputs, twelve recording tracks, MIDI interface and unique podcasting features such as Mix-Minus and Smartphone input, it is more versatile than almost any other tool before. Whether for home recording with post-production on a DAW, live performances with partial playback, or podcasting with live streaming, Model 12 offers the efficient workflow and pristine quality of digital recording and production systems to support the creative process from start to finish.

- Mixer, interface, recorder, and DAW controller in one unit
- 12-track recording and 10-track playback, overdubs
- USB interface with 12 audio inputs and 10 outputs
- Simple DAW control support via HUI/MCU protocol emulation
- MIDI in/out with timecode, clock and song position pointer
- 16 built-in effects like reverb, delay, and more
- 1-knob compressor and 3-band equalizer for all input channels
- Dedicated click output with tap tempo feature
- Bluetooth receiver and TRRS smartphone input with mix-minus feature, and much more



### Model 16:

- 14 analogue inputs (8 mono, 3 stereo, incl. 1x Bluetooth/RCA/mini-jack)
- 16-track audio recorder (14 input channels + stereo mix)
- 16-channel audio interface (14 input channels + stereo mix)
- 1-knob compressor (ch. 1–8), 4-band equalizer for stereo bus or subgroup

### Model 16 / Model 24:

- Phantom power for all XLR inputs
- Effects processor with 16 effects types
- Headphones output with powerful 80 mW per channel
- Overdubbing, punch in/out recording (up to eight tracks)
- Jog wheel for quick search and easy menu navigation, and much more



Model 16/24: The built-in power supply unit ensures reliable power delivery

