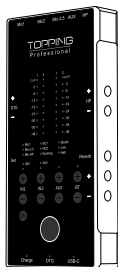


TPP70F

Portable audio interface

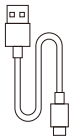
Contents list



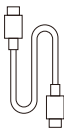
TPP70F x 1



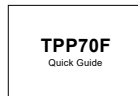
Remote control x 1



USB-A cable x 1



USB-C cable x 1



Quick Guide x 1

Attribute

Measured	19.0cm x 15.5cm x 4.4cm (Include protruding parts)
Weight	300g
Charge port	Charge TypeC port
OTG port	OTG TypeC port (USB2.0 FS)
USB port	USB-C TypeC port(USB2.0 HS)
Mic input	2 input channels (TRS input with 48V phantom power)
3.5mm mic input	1 channel(3.5 mic input port with 2.5V power)
headphone-mic input	1 channel(headphone input with 2.5V power)
AUX input	1 channel(3.5 mm port with stereo input)
Headphone output	1 channel(3.5 mm port with stereo output)
Wireless input	1 channel(Bluetooth with stereo input)
Battery capacity	5000mAh
Charge(Charge)	DC5V-12V/1.0A-2.5A, total power <13W (auto switch)
Charge(USB-C)	DC5V/2.5A(manual switch)
Discharge(Charge)	DC5V/2.0A (auto switch)
Discharge (USB-C)	DC5V/1.0A (manual switch)
Discharge(OTG)	DC5V/1.0A (manual switch)
Full charge time	<2.5 hours @ The adapter power is greater than 10W and the device is turned off
Battery life when only the device is working	>8.5 hours @ No condenser microphone connected
	>7.5 hours @ Connect a condenser microphone
	>6.5 hours @ Connect two condenser microphones
Preamplifier technology	Ultra-linear
OTG technology	Digital ASRC
Supported sample rate	TypeC:24bit/44.1kHz-24bit/96kHz OTG:16bit/48kHz-24bit/48kHz
DAW channel	8
Loopback channel	6
Operating mode	Mobile mode, PC Livestream mode and Pro recording mode
OS	Mac/Win/iOS/Android
Dual-host working	Supported
Bluetooth transmission distance	>10 meters

Specification

TPP70F Specifications(@24bits/96kHz)

1. Microphone Inputs

Equivalent Input Noise @A-wt,150 Ohm	-129.5dBu
THD+N @A-wt	-116dB(0.00015%)
Dynamic Range @A-wt	118dB
SNR @A-wt	118dB
Crosstalk @1kHz	-140dB
Frequency Response	20Hz - 20kHz(± 0.2 dB)
Maximum Input Level	8.6dBu
Input Impedance	2.0k Ohms
Available Gain	0 - 88dB
Phantom Power	48V
Connector Type	6.35mm,TRS Tip (Hot), Ring (Cold) & Sleeve (Shield)

2. AUX Inputs

THD+N @A-wt	-110dB(0.0003%)
Dynamic Range @A-wt	117dB
SNR @A-wt	117dB
Crosstalk @1kHz	-118dB
Frequency Response	20Hz - 20kHz(± 0.2 dB)
Maximum Input Level	2.6dBu
Input Impedance	10k Ohms
Available Gain	-99dB - +9.5dB
Connector Type	3.5mm,TRS Tip (Left), Ring (Right) & Sleeve (Gnd)

Specification

TPP70F Specifications(@24bits/96kHz)

3. Mic-3.5 Inputs

THD+N @A-wt	-100dB(0.001%)
Dynamic Range @A-wt	113dB
SNR @A-wt	113dB
Frequency Response	20Hz - 20kHz(±0.2dB)
Maximum Input Level	4dBu
Input Impedance	1.2k Ohms
Available Gain	0 - 88dB
Phantom Power	2.5V
Connector Type	3.5mm TS Tip (Signal) & Sleeve (Gnd)

4. Mic-HP Inputs

THD+N @A-wt	-100dB(0.001%)
Dynamic Range @A-wt	113dB
SNR @A-wt	113dB
Frequency Response	20Hz - 20kHz(±0.2dB)
Maximum Input Level	4dBu
Input Impedance	1.2K Ohms
Available Gain	0 - 88dB
Phantom Power	2.5V
Connector Type	3.5mm TR1R2S Ring2 (Gnd) & Sleeve (Signal)

Specification

TPP70F Specifications(@24bits/96kHz)

5. Headphone Outputs

THD+N @A-wt	-115dB(0.00017%)
Dynamic Range @A-wt	122dB
SNR @A-wt	122dB
Crosstalk @1kHz	-130dB
Frequency Response	20Hz - 20kHz(±0.2dB)
Maximum Output Level	16dBu
Noise @A-wt	3.8 uVrms
Output Impedance	1 Ohms
Output Power	500mW x 2 @32Ω THD+N<1% 330mW x 2 @64Ω THD+N<1% 150mW x 2 @150Ω THD+N<1% 80mW x 2 @300Ω THD+N<1% 39mW x 2 @600Ω THD+N<1%
Connector Type	3.5mm TR1R2S Tip (Left), Ring1 (Right) & Ring2 (Gnd)

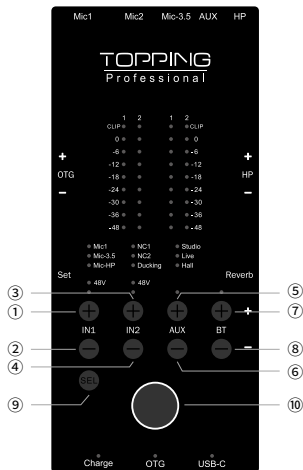
6. OTG Outputs (@OTG 24bits/48kHz <-> TypeC 24bits/44.1kHz-96kHz)

THD+N @A-wt	-130dB(0.00003%)
Dynamic Range @A-wt	138dB
SNR @A-wt	138dB
Crosstalk @1kHz	-154dB
Frequency Response	20Hz - 20kHz(±0.1dB)
Maximum Output Level	-0.5dBFS
Connector Type	OTG(TypeC)

*Note: The above data is the result of the test in TOPPING laboratory.

Functions

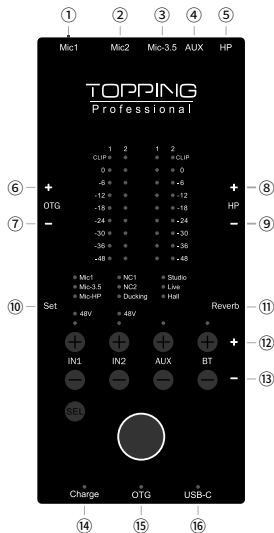
Front panel of TPP70F



- ① IN1 input gain
- ② IN1 input trim
Press and hold ① and ② simultaneously to switch on and off the 48V power
- ③ IN2 input gain
- ④ IN2 input trim
Press and hold ③ and ④ simultaneously to switch on and off the 48V power
- ⑤ AUX input +
- ⑥ AUX input -
- ⑦ Bluetooth input +
- ⑧ Bluetooth input -
Press and hold ⑦ and ⑧ simultaneously to switch the Bluetooth pairing mode
- ⑨ IN1 input select
Switch to Mic in, 3.5mm mic in and Headphone mic in
- ⑩ Power button
Long press to turn on and off, and short press to display the battery level

Functions

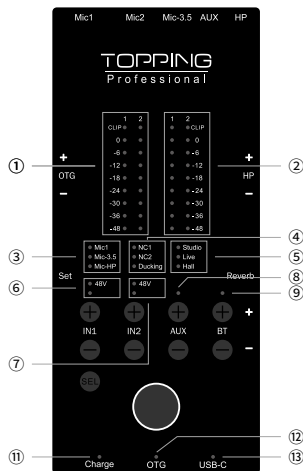
Side of TPP70F



- ① Input 1
- ② Input 2
- ③ 3.5mm mic input
- ④ AUX input
- ⑤ 3.5mm headphone out
- ⑥ OTG volume +
- ⑦ OTG volume -
- ⑧ Headphone volume +
- ⑨ Headphone volume -
- ⑩ Tap to switch between NC1, NC2, and NC3 for noise reduction, and long press to switch the ducking effect
- ⑪ Reverb switch
Tap to switch between Studio, Live and Hall reverb mode.
- ⑫ Reverb ratio +
- ⑬ Reverb ratio -
- ⑭ Charge port
- ⑮ OTG port
- ⑯ USB-C port

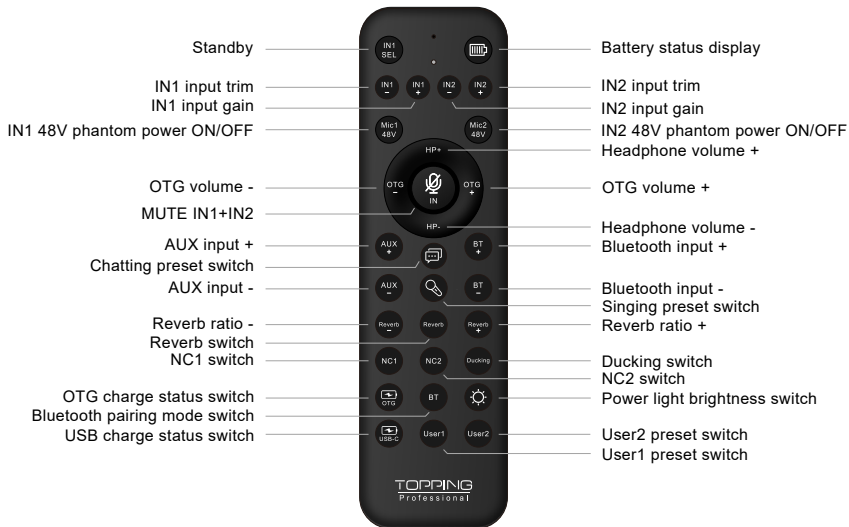
Functions

Display



- ① Input display
- ② Output display
- ③ Mic input display
- ④ NC/Ducking mode display
- ⑤ Reverb mode display
- ⑥ IN1 48V display
Light 1: 48V power indicator
Light 2: Level indicator
- ⑦ IN2 48V display
Light 1: 48V power indicator
Light 2: Level indicator
- ⑧ AUX input display
- ⑨ Bluetooth input display
Light 1: Level indicator
Light 2: Bluetooth pairing indicator
- ⑩ The power and battery light
- ⑪ Charge connection indicator
- ⑫ OTG connection indicator
- ⑬ USB-C connection indicator

Remote control



Precautions

- Do not keep the unit in a hot, humid environment or hit the unit strongly.
- Opening the case instantly voids the warranty!
- Topping accepts no liability for any loss or damage arising directly or indirectly from the failure of TPP70F.
- For improvement purposes, specifications subject to changes without prior notice.

FCC Warning Statement: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.