



HANDMIC DIGITAL

Quick Guide

Powered by



In the box

- 1 HANDMIC DIGITAL microphone
- 1 Cable 2m, Micro USB/Lightning
- 1 Cable 2m, Micro USB/USB
- 1 Microphone clamp
- 1 Microphone table stand
- 1 Pouch
- 1 Quick Guide
- 1 Safety Guide

Requirements

- iOS version: 9 or later
- Mac OS version: 10.7.5 or later
- PC Version: Windows Vista or later
- Connection / Power: Lightning, USB 1.0 or later

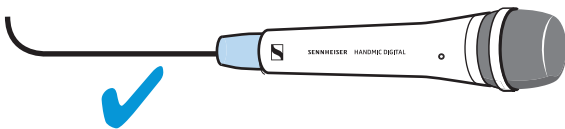
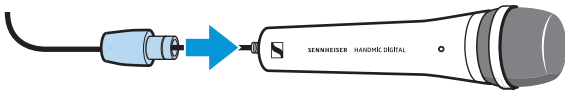
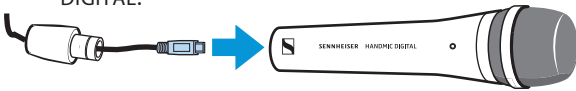
Setup

1 Connecting



If you are using a headset,
(1) first connect the headset,
(2) then connect the HANDMIC DIGITAL to the recording device.

- ▷ Connect the Micro USB connector to the HANDMIC DIGITAL.



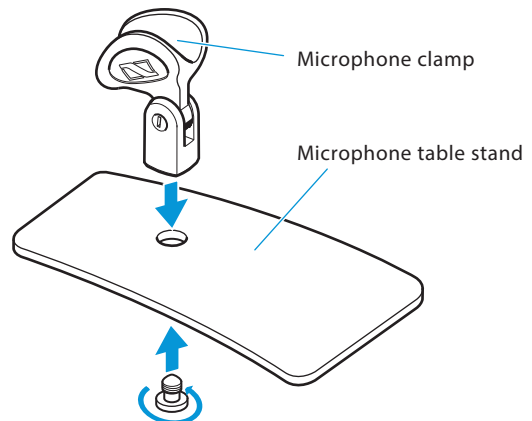
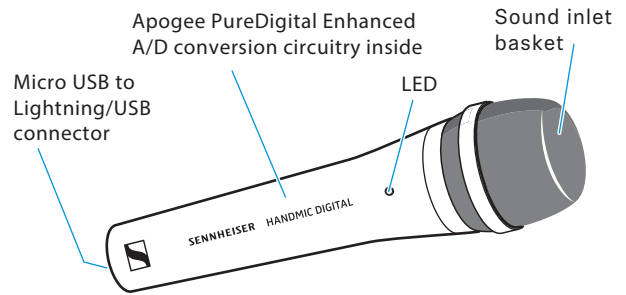
Important for iOS Devices

Wrong chosen audio source can reduce the recording quality.

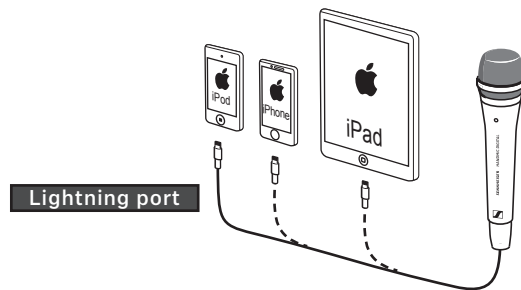
The last connected microphone will be used as the audio source. If you are using your headset for input monitoring, you might record unintentionally via the headset microphone. To avoid this:

- ▷ Connect your headphone or headset to your iOS device first before connecting the HANDMIC DIGITAL to the Lightning port.
- ▷ Ensure that the apps detect the HANDMIC DIGITAL as the last connected microphone.

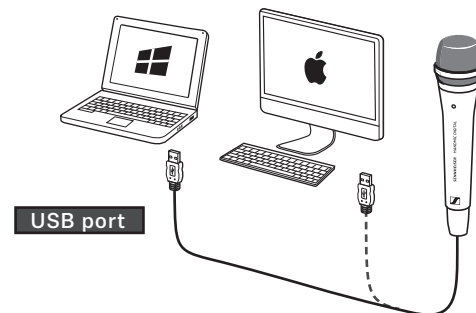
Overview



- ▷ Connect the HANDMIC DIGITAL to your iOS device, Mac or Windows PC.



Lightning port



USB port

By default, you will not hear the HANDMIC DIGITAL until input monitoring is enabled in an app.

Installing the app

2

HANDMIC DIGITAL's recording by using any Core Audio, video app or recording software.

i Make sure that the recording app supports external microphones.

Important

- ▷ HANDMIC DIGITAL's input gain can be controlled by either Apogee's Maestro App or any recording app that supports Core Audio input control.
 - ▷ Apogee's Meta Recorder App* allows you to record audio and control your HANDMIC DIGITAL.
 - ▷ For advanced recording adjustments (e.g. rumble reducer, hiss reducer, overload eliminator and available updates) but no recording itself use Apogee's Maestro App.*
- * Both apps install from Apple's App Store or www.apogeedigital.com.



Apogee Maestro



Apogee MetaRecorder

i It is possible to record with the HANDMIC DIGITAL using any Core Audio compatible app, video app or recording software.

Technical data

Apogee PureDigital A/D conversion

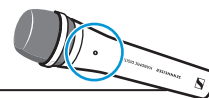
Word Length	16 / 24 bit
Sampling frequency	44.1 / 48 / 88.2 / 96* kHz
Latency	OS and app dependent (typ. < 0.5 ms)
Internal signal processing	selectable presets via Apogee's Maestro App
Type of Codec	multibit DeltaSigma
Gain	0 - 35 dB
Power	supplied by iOS device or USB

* no monitoring possible at 90 kHz sampling rate

HANDMIC DIGITAL

Transducer principle	dynamic
Pick-up pattern	cardioid
Frequency response	40 - 16,000 Hz
Sensitivity (80 dB SPL, 1 kHz)	@ min. gain: -54 dBFS @ max. gain: -19 dBFS
Noise level	@ min. gain: -96 dBFS(A) @ max. gain: -74 dBFS(A)
Max. sound pressure level	@ min. gain: 134 dB @ max. gain: 99 dB
Connector	Apple MFi certified Lightning connector or USB
Weight	approx. 340 g
Dimensions microphone	ø 48 mm, 180 mm length
Cable length	approx. 2 m
Temperature range	0 °C to +50 °C Storage: -25 °C to +70 °C
Relative air humidity	max. 95% @40%

LED display



LED Color Meaning

Red Streaming audio: HANDMIC DIGITAL is connected to an iOS device and a recording app is receiving the audio stream regardless of whether recording has been started or not.

Off Low power mode: HANDMIC DIGITAL is connected to an iOS device but no recording app is active, no audio streaming.

Positioning the microphone

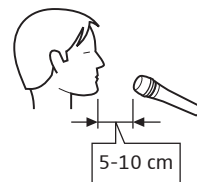


Resulting sound

High proximity effect (large bass boost)
Powerful, direct sound

Commentary

Very little crosstalk from other sound sources

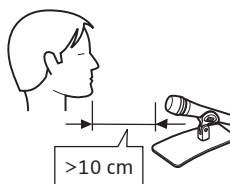


Resulting sound

Less proximity effect (less bass boost)
Some room ambience, natural, balanced sound

Commentary

More crosstalk from other sound sources



Resulting sound

Very little proximity effect (minimal bass boost)
More room ambience, indirect sound

Commentary

Higher cross-talk from other sound sources

If sibilance occurs:

- ▷ Position the microphone slightly to the side and not directly in front of the mouth.

Cleaning and maintaining

Caution

Liquids can damage the electronics of the product. Liquids entering the product can short-circuit the electronics or damage the mechanics.

- ▷ Keep all liquids away from the product.
- ▷ Do not use any solvents or cleansing agents.

- ▷ Unscrew the sound inlet basket.
- ▷ Remove the foam insert from the sound inlet basket.
- ▷ Use a slightly damp cloth to clean the sound inlet basket from the inside and outside.
- ▷ Reinsert the foam insert into the sound inlet basket then replace the sound inlet basket on the microphone and screw it tight.



When not using the HANDMIC DIGITAL for extended periods of time:

- ▷ Handle the HANDMIC DIGITAL with care and store it in a clean, dust-free environment.
- ▷ For this, use the supplied pouch or a lint-free, air-permeable packing material.