

hardware

CM-15 is the worlds first ultraportable, battery powered, large-

usb-c. mini jack line out, and

and a usb-c cable.

phantom powered mini xlr. it is

diaphragm condenser microphone, with simultaneous audio output over

encased in anodized aluminum, with

custom capsule suspensions and an

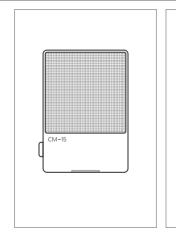
embedded table stand, your CM-15

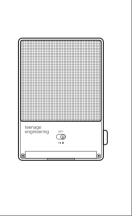
stand adapter, a mini xIr to xIr cable

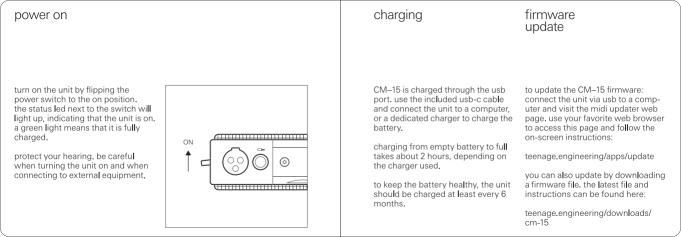
comes with a 1/4 - 3/8 inch threaded

• 48 V phantom power compatible

- CM-15 highlights:
- 1-inch large-diaphragm capsule
- pseudo-balanced mini xlr output
- dual mono mini jack line output usb-c class compliant device
- with high performance SABRE ADC OPA 140 JFET amplifier stage with ultra low distortion and extremely high input impedance
- 10 hour rechargeable battery • flexible power system • ±18 dB pad / gain switch
- embedded table stand







powering		status led			
that makes it useful in many different scenarios, it can be powered by three different sources, one at a time or simultaneously, and it automatically handles the power priority.	CM–15 can be powered by: • 48 V phantom power • usb type c • internal battery note: CM–15 handles all power switching automatically.	 green solid: the power is on and the battery is charged. pulsating: the battery is fully charged. 	 orange solid: the power is on and the battery is getting low. pulsating: the battery is charging. 	• red flashing: low battery! time to charge.	note: the fu ll battery life is approximately 10 hours.

built-in stand

tripod adapter

fix the adapter on the tripod by simply screwing it on clockwise.

CM-15 has a built-in table stand that can be used to rest and angle

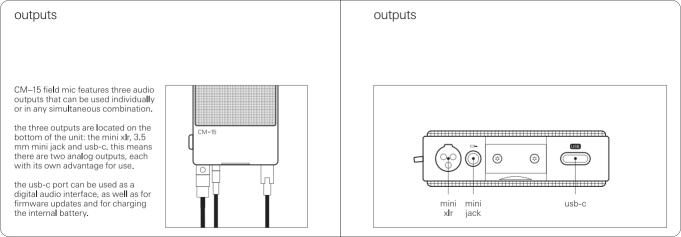
that can be used to rest and angle the microphone on a surface.

for the best possible recording quality, make sure to avoid any unwanted surface vibrations when recording this way.



your CM–15 also comes with a standard ¼" and ¾" adapter, making it universally compatible with standard microphone stands and tripods. it fits perfectly with the tripod mini accessory (sold separately).

mount the adapter by first loosening the thumbscrew, place it on the center, bottom side of the mic, and tighten until properly mounted.



connections

mini xlr

the compact size mini xIr output gives you the highest quality recordings and is intended to be used with your recording console. preamp or audio interface, use the included mini xlr to xlr cable, and apply 48 volt phantom power.

the power consumption is around

the status led is green.

3 mA, in phantom-power operation

mini jack

the mini jack output is meant to be used in portable battery powered scenarios, such as with TX-6, OB-4 or a camera mic input.

it is a line level output and it features a dual mono signal, meaning the signal is identical for both tip and ring, use a stereo cable for stereo

inputs, or a stereo to dual mono splitter for mono inputs. note: do not apply phantom power to the mini jack.

usb-c

interface.

a usb host device, such as a laptop or OP-1 field, it will show up as a 1-input audio interface, as long as

when connected while turned off.

battery and it won't show up as an

the device is only charging the

the unit is turned on.

CM-15 is a usb class compliant audio device, when connecting it to

• 44.1 kHz • 48 kHz

computer.

the available audio rates are:

• 88.2 kHz

• 96 kHz

when in usb mode, an additional ±12 dB digital gain is applicable from

the usb interface settings in your

start

pad / gain switch

0 db

0 dB and +18 dB.



the only setting on the microphone itself is the pad / gain switch, adjust it based on the sound source, move the switch left to pad -18 dB, and

right to gain +18 dB, this is analog

gain that applies to all the outputs,

without SNR degradation, additional

±12 dB are available digitally in usb

are ready to record.

mode.

CM-15 is designed to be easy to use.

use the tripod adapter or the built in stand to set it up, connect any cable needed for your application and you

O I IIthe pad / gain move the switch

switch has three to the far left settings: -18 dB, position to pad

-18 dB.

+18 dB

move the switch

position to apply

+18 dB gain.

to the far right

gain set to 0

gain set to +18 dB

current power

source

gain set to -18 dB

these following icons are shown in the

scenario section, as a recommended

setting for each individual set-up.

quide conventions

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scenarios

CM-15 features an acoustically transparent fine mesh to protect the capsule, however, do not abuse the capsule by blowing directly on the

while it is best used in a controlled studio setting, the following pages illustrate a variety of ways in which CM-15 can be put to use. make sure to adjust the pad / gain switch accordingly based on the

as with all teenage engineering

developed with portability and

products, CM-15 has been

compatibility in mind.

sound source.

front or back of the microphone. slightly angling the mic away from your mouth, or a high pressure sound source, will give a natural pop filter effect, an external pop filter is recommended for voice recordings. such as podcasts and singing.

a windscreen is recommended for

outdoor use.



studio

recordina



interview /

podcast



field

work





camera

mic

CM-15 is perfect for studio use. both in the vocal booth and for

instruments.

drum kit.

including your

interviews, video conferences and podcasts, where you need the highest audio quality.

since CM-15 is small and can be battery powered it's easy to travel

with, the 10 hour

battery life comes

in handy.

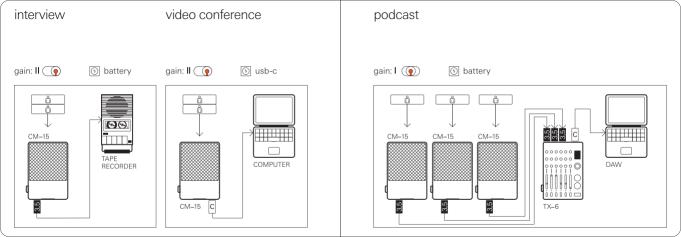
when filming with a video

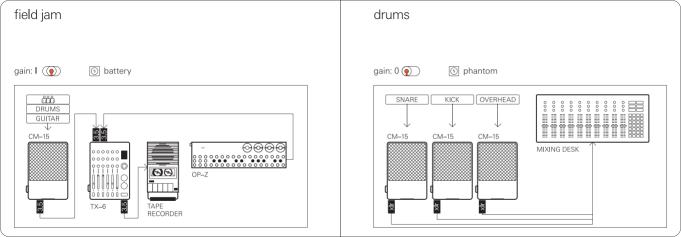
camera, vou can

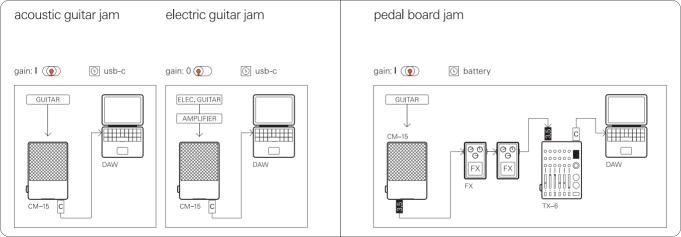
plug in CM-15 to

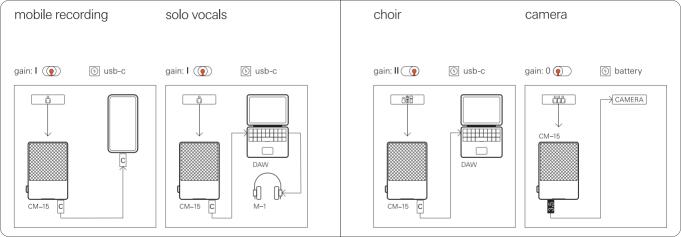
record the audio

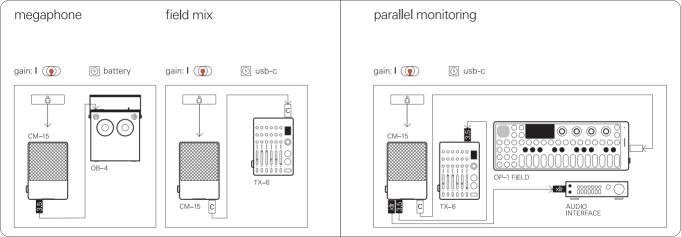
directly.











mounting options

mic, we have developed a stand: tripod mini.

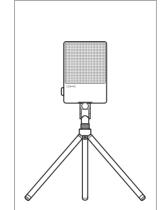
tripod mini measures 184 mm in height, unfolded, with the adapter mounted, and 146 mm when standing, the mic is easily mounted with the included adapter, the

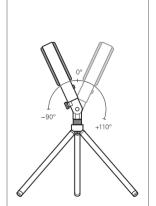
adapter helps you tilt the unit in the angle you prefer, 90° frontwards and 110° backwards, the angle makes it possible for the mic to be mounted on a boom arm or to tilt it to better

record overheads.

to get the most out of your CM-15

adjust the angle by rotating the center screw on the tripod. tighten or loosen the mount with the thumb screw on the adapter.







- 1-inch large-diaphragm capsule • 48 V phantom power compatible
 - pseudo-balanced mini xlr output · dual mono mini jack line output
 - usb-c class compliant device with high performance SABRE ADC
 - usb audio class 1 • 10 hour rechargeable battery
 - ±18 dB pad / gain switch dimensions: 90 x 65 x 22 mm • weight: 132 a / 4.6 oz

 self noise: 14 dBA

audio

120 dB

positive

characteristics

• max SPL for 0.5% THD: 138 dB

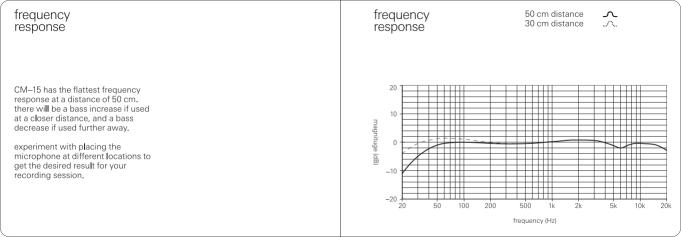
usb SNR dBA FS:

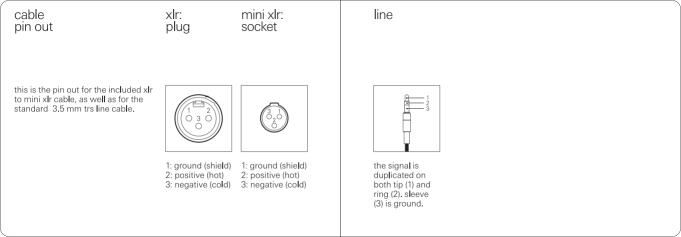
 impedance xlr: 600 Ohm, pseudo-balanced

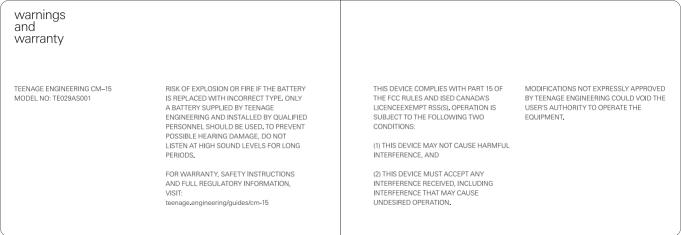
• impedance line: 300 Ohm polar pattern:

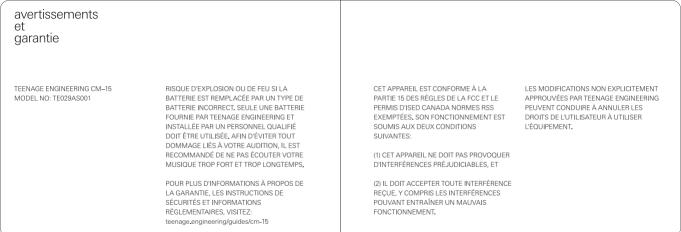
supercardioid polarity:











CAUTION RECYCLING DO NOT TRY TO CHARGE OR USE A UNIT LEAVING A BATTERY IN AN EXTREMELY HIGH PARTS AND BATTERIES MARKED WITH THIS WITH A SEEMINGLY DAMAGED BATTERY. TEMPERATURE SURROUNDING ENVIRONMENT THAT CAN RESULT IN AN CROSSED-OUT WHEELIE BIN SYMBOL MUST ONLY A BATTERY SUPPLIED BY TEENAGE EXPLOSION OR THE LEAKAGE OF NOT BE DISPOSED OF WITH NORMAL ENGINEERING INSTALLED BY QUALIFIED FLAMMABLE LIQUID OR GAS. HOUSEHOLD WASTAGE, IT MUST BE PERSONNEL SHOULD BE USED. COLLECTED AND DISPOSED OF SEPARATELY TO PREVENT POSSIBLE HEARING DAMAGE. TO PROTECT THE ENVIRONMENT. THIS DISPOSAL OF A BATTERY INTO FIRE OR A DO NOT LISTEN AT HIGH SOUND LEVELS FOR PRODUCT CONTAINS A BUILT IN LITION HOT OVEN, OR MECHANICALLY CRUSHING LONG PERIODS. BATTERY. OR CUTTING OF A BATTERY CAN RESULT IN AN EXPLOSION STORE SMALL PARTS OUT OF THE REACH OF CHILDREN AND INFANTS, IF ACCIDENTALLY SWALLOWED, CONTACT AN EMERGENCY MEDICINE DOCTOR IMMEDIATELY

ELECTRICAL AND ELECTRONIC FOUIPMENT.



