

TP-7

field recorder
user guide



TP-7 is an ultra-portable digital tape recorder, and the fourth release in our field system. with more features than meets the eye, it's a most diverse audio device and your new everyday companion. this guide is written to take you on a tour of TP-7 to discover its functionality. note that updates are constantly made for this product and an up-to-date manual can be found online.

- have a pleasant field trip!

field system began as an idea to create a series of products that function as part of a whole. with aluminium casings and nylon bag accessories; every item is designed with portability, compatibility and durability in mind. as usual, we aim to pack in as much technology into as little space as possible, getting the most out of every device. more than just an engineering challenge, field system is driven by a desire to rethink the way we approach music making.

before getting started, make sure to carefully read these instructions. see the section at the end on warnings and warranty for more information. TP-7 is a highly technical and delicate product. make sure to learn how to properly operate, care for and store your device. take your time to register your unit here: teenage.engineering/register

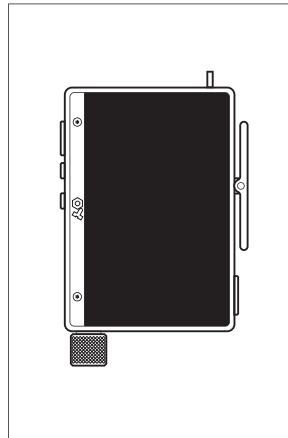
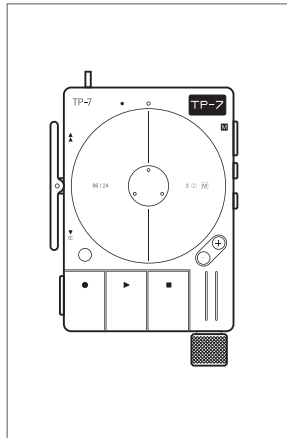
the latest version of this guide: teenage.engineering/guides/tp-7

hardware

TP-7 field recorder is made in durable aluminum, with pu synthetic leather backing and custom-made controls for all your portable recording applications. the main control and navigation centers around the mechanical tape reel, the memo button, as well as the play, stop and record buttons. all functions are displayed on the compact oled screen. this guide takes you through the layout, connectivity, various applications and general functions of your TP-7.

TP-7 highlights:

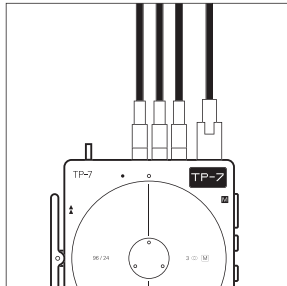
- ultra-portable pro recorder
- 3 trrs two-way mini jacks
- 1 main / headphones output
- usb-c audio class 1
- midi over usb-c and bluetooth le
- 7 hour rechargeable battery
- side buttons for one-handed control
- side rocker for audio scrubbing
- motorized tape reel
- led vu meters
- quick memo function
- audio library for file storage
- companion transcription app



two-way jacks / usb-c

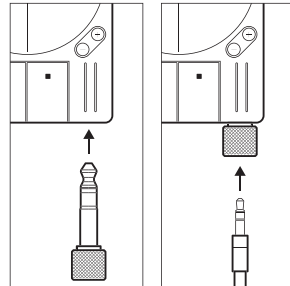
the three 3.5 mm mini jack sockets on the top side of TP-7 are two-way jacks, which can be configured as either stereo inputs or outputs, or for headset use. you can connect equipment such as headphones, studio monitors, microphones, or any other audio equipment, such as TX-6 and OP-1 field.

the usb type c port can be used as a multi channel audio interface, as well as for midi control, firmware updates and charging.

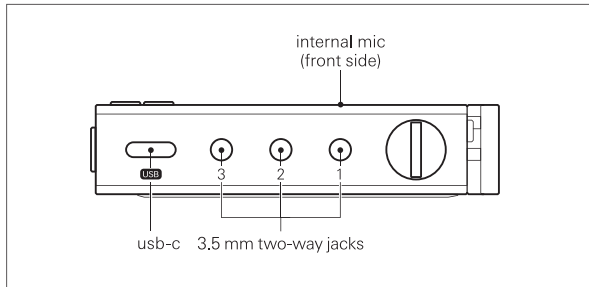


main out

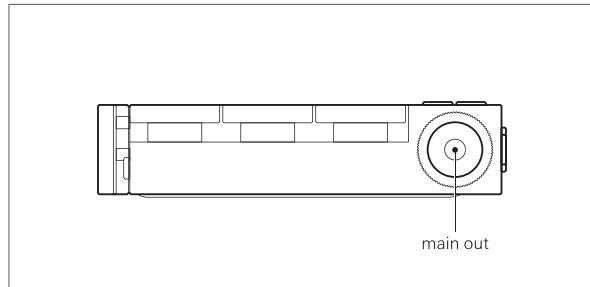
the TP-7 main output is located on the bottom front side of the unit. it is used for the main stereo audio output signal, and holds an included, removable 6.35 mm jack to 3.5 mm mini jack adapter.



top side



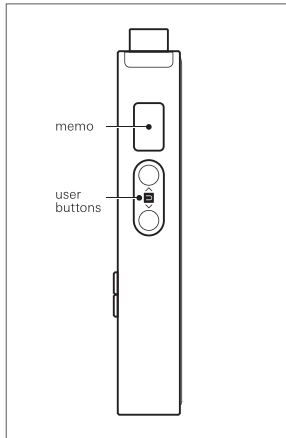
bottom side



right side

the memo recording button and the user buttons are located on the right side of the unit.

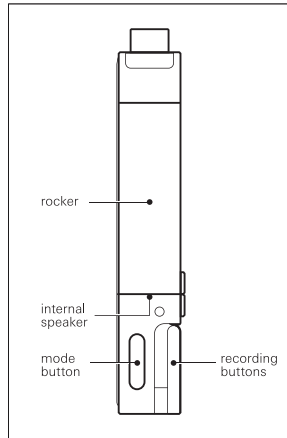
- memo is for making voice memo recordings.
- the user buttons, up and down, are used for setting input gain and for displaying file information.



left side

the rocker, the internal speaker and mode button are located on the left.

- the rocker lets you fastforward and rewind the tape.
- the internal speaker plays your audio automatically when nothing else is connected to your TP-7.
- the mode button lets you access and toggle mode and menus in different contexts.



input and output examples

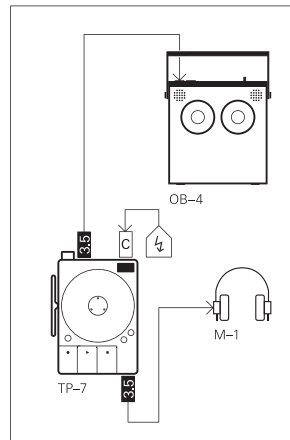
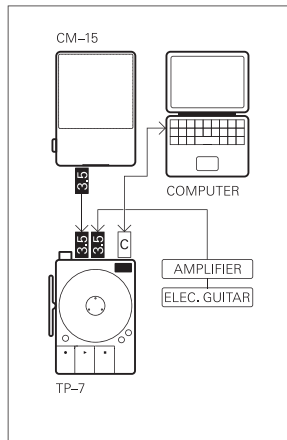
when using the two-way jacks as inputs, they can be individually configured as stereo, mono, or balanced mono, in any combination.

when using them as headset inputs you can connect three separate headsets, such as the M-1 personal monitor headsets.

as outputs, you can connect to external speakers, headphones or anything with a line-in connector.

the main output gives you a stereo mix of any audio recorded, or played, through the unit. use the included jack to mini jack adapter if needed.

the usb-c can be used as a class compliant multi channel audio interface. depending on what it is connected to, you can get up to six stereo channel audio, in and out.

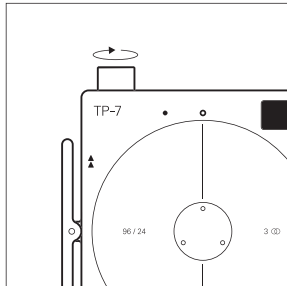


power

to power on TP-7, turn the power knob clockwise, until you feel and hear a click. the display will briefly show the TP-7 power up title screen before arriving at the playback screen.

keep turning the knob to adjust the master volume. always make sure to be careful with your ears.

to power off TP-7, turn the knob counterclockwise, past the click.



charging

the unit is charged through the usb-c port. battery level is indicated on the screen when charging, in mtp mode and through the system menu. if the battery is low, the top led turns red, and flashes red on critically low battery level. when charging, and the battery is fully charged, the top led turns white. to keep the battery healthy, the unit should be charged at least every 6 months.

firmware update

to update the TP-7 firmware: connect the unit via usb to a computer and visit the midi updater web page. use your favorite web browser to access this page and follow the on-screen instructions:

teenage.engineering/apps/update

you can also update by downloading a firmware file. the latest file and instructions can be found here:

teenage.engineering/downloads/tp-7

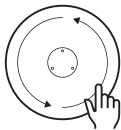
start

let's start by getting familiar with the main TP-7 interface.

the motorized tape reel is the heart of the recorder. it can be rotated in both directions to scrub recordings and scroll menus.

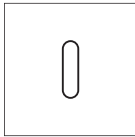
the mode button can be used to access the system menu, toggle modes and to return to the playback screen.

tape reel



the tape reel can be rotated to scrub through recordings, scroll menus, pause audio and to dj.

mode

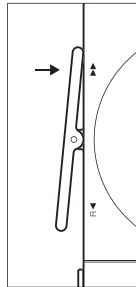


press the button on the left side to change mode. hold it to access the system menu and contextual settings.

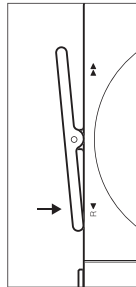
rocker

the rocker on the left side lets you scrub through your audio by pressing down either side. this will spin the reel clockwise for fast forwarding, and counterclockwise for rewinding.

fast forward ►►



rewind ◀ R



buttons



record



plus



play



minus



stop



up



memo



down



mode

tape reel



rotate reel in
any direction



rotate right /
fast forward



rotate left /
rewind



hold reel /
pause

rocker



press rocker
to fast forward

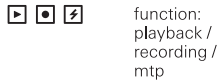
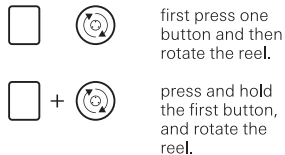
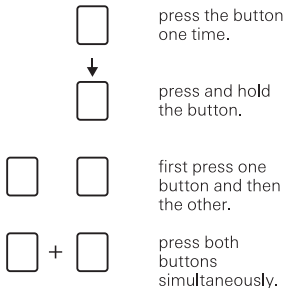


press rocker
to rewind

guide conventions

sometimes you will need to press buttons in sequence, sometimes in combination. these illustrations and texts will help you to follow along in the guide.

to press a button, tap it and then release. to hold a button press it and keep it pressed down. many of the knobs and buttons have different functionality depending on the context.



note: mode and function icons are shown in the scenario section, as a suggested setting for each individual set-up.

modes

0

your TP-7 field tape recorder has three main playback modes:

- memo: used to access all your quick and simple voice memos, recorded through the memo function.
- recordings: for all other recordings made on the device.
- library: a high resolution audio playback mode, where external content is loaded to the device for playback.

tap the mode button on the left side to toggle between these modes.

memo



memo is where you capture and playback voice memo recordings. it's the fastest way to record. memo uses the internal microphone to capture audio.

recording



the recording mode is where you get access to the multitrack recording functionality.

library



library mode is your high resolution audio file music player. transfer your files from a computer and play them back on TP-7.

menu operations

memo

recording

playback



toggle mode /
exit menu



hold to
record memo



show system
menu



release to stop
memo recording



scroll menu /
change value



toggle tracks



select / back



browse memo
recordings



arm tape
to record



start
playback



start
recording



rewind /
fast forward



stop
recording



hold reel to
pause playback



adjust
gain



scrub
recording

screen

when turning on the device, the playback screen displays the last file you had open. if any functionality is activated or the reel is turned, that will be reflected on the display before going back to the previous screen.



start-up / title screen.



playback screen / current recording.



the first time you start your unit, or if you have emptied your memo / recording / library files this screen will be shown on the playback screen.



time and date is updated automatically when connected to the field-kit app. you can also set the time and date from the system menu.



the battery level is shown when connected via usb-c and TP-7 is switched off. it can also be accessed through the system menu.



the TP-7 upgrade screen is shown at start-up when holding mode while turning the unit on. this activates the bootloader function.

system menu



hold the mode button to access the system menu. turn the tape reel to scroll through the menu and press plus to choose a settings page.

when on a settings page, use the tape reel to adjust the value and press plus to move onto the next setting on the page (if there is one).

press minus to go back, and mode to exit.

system settings



system menu navigation



hold the mode button to access the system menu.

turn the tape reel to select the different settings.



press plus to access a setting. press minus to go back to the menu.



adjust a value by turning the tape reel and use plus to select the next value.



press mode or stop to exit back to the playback screen.

system settings

jacks



configure your two-way jacks as either line-in inputs, headset mic inputs, or outputs.

edit



set the edit mode to replace or mix track.

play



configure TP-7 to automatically playback the next file after listening to the current file.

bluetooth



bluetooth (le) menu for pairing and accepting incoming bluetooth connections.

leds



adjust the led brightness to your liking: low, medium or high.

speaker



choose whether the internal speaker is always on or dependent on main jack detection.

sfx



to hear user interface sound effects through the speaker, enable sfx.

motor



set the tape reel motor to off, play or both rec and play.

system settings

memo



choose to record your memos in high quality or standard quality for extended recording time.

rate



sample rate for recording can be either 48 kHz or 96 kHz.

disk space



TP-7 has 128 GB internal storage. disk shows how much disk space is used.

name



rename your TP-7.

time



set the time manually from the system menu.

date



set the date manually from the system menu.

fw version



firmware version information is displayed here.

factory reset



reset your device to factory default. rotate the tape reel to confirm.

note: all of your recorded content will remain.

leds and vu meters

TP-7 has three led light indicators. these are:

- red recording led
- top led
- vu meters




rec led

- solid red now recording.
- flashing slowly armed to record.
- ⦿ flashing quickly in edit mode.

top led

- solid white battery is in charging mode and is fully charged.
- solid red battery is low.
- flashing red battery level critically low.

vu meters

-  show the level of selected inputs when in mix mode.
-  red leds indicate peaking.
-  clipping.

jacks

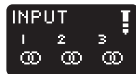
the following modes for the top jacks can be selected in the system menu. setting the mode will set it for all three jacks.

- input: jacks are configured as line inputs. you have three types to choose from; mono, balanced mono or stereo.
- headset: jacks are configured for a headset with a microphone.
- multitrack player: jacks are configured as line outputs.



access the jacks settings through the system menu.

stereo



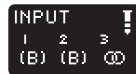
stereo.
all three jacks set to stereo.

mono



mono.
all three jacks set to mono.

balanced



balanced mono.
two jacks set to balanced mono, and the third set to stereo.

headset



headset mic.
all three jacks used for headset with microphone mic.

note: each headset jack has an individual output volume setting.

line output



line output.
all jacks are configured as line outputs.

memo

memo is designed to capture and playback voice memo recordings, using the internal microphone.

this function can be accessed even when the unit is off. just press and hold the memo button to wake the device and start recording.



hold to
record memo

release to stop
memo recording

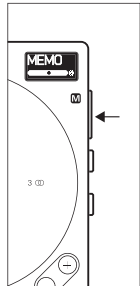
toggle memo
recordings

hold to show
file info

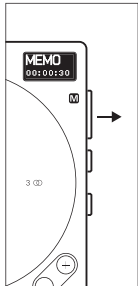
memo recording

while TP-7 is turned on, press and hold the memo button to access this function. keep holding to record a voice memo or any kind of recording, using the internal microphone. release the button to stop recording.

press and hold to
record memo.



release to stop
memo recording.



memo recording



press and hold the memo button to load and start recording.

keep holding the memo button while recording, and release it to stop recording.

your memo will then appear on the playback screen.

to go back to your memo recordings later, toggle mode button to go to memo.

memo browsing



your voice memos will show up by date and number in memo mode. toggle them using minus / plus.

hold down to show the file info for the current selected memo recording.

press play and stop to control playback.

use the tape reel and rocker to scrub though.

memo settings

access the memo settings through the system menu. you can select the following options for memo recordings:

- quality: high or standard
- wake: on / off

pro-tip: save disk space by recording in standard quality. avoid accidental recording by turning wake off.

quality



record memo in high quality.



record memo in standard quality.

wake



wake on:
use memo button to record while the unit is turned off.



wake off:
memo button is disabled while the unit is turned off.

recording

press record to ready a new recording. the recording light will start to flash.

press play to start recording. the display shows a counter with recorded time. press stop to stop recording and save the file.

you can record from three different sources: using the internal mic, using the analog inputs, or digitally using usb-c.



arm tape
to record



start
recording



stop
recording



select input in
rec armed mode



adjust gain

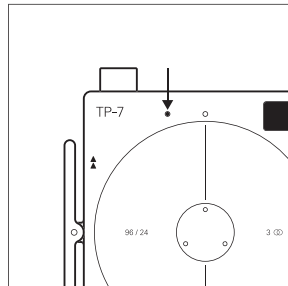
recording

the internal microphone will be used by default, if nothing else is connected to TP-7.

you'll find the internal mic discreetly placed to the left of the top led.

if you've connected either an analog or digital input, those will be used along with the internal microphone.

internal microphone



recording



press record to arm TP-7 for recording.



to start recording, press play.



pause your recording by simply holding the tape reel. release it to keep recording.



press stop to stop your recording.



your latest recording will appear once you have pressed stop.



press play to instantly listen to your recording.



scrub through your recording using the tape reel. use the rocker to fast forward / rewind and stop to exit the playback.

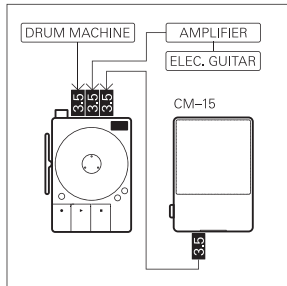


skip through your recordings with the plus / minus buttons.

recording:
analog

with **all** jacks configured as **line** inputs, you can record analog signal devices with tape in **multitrack** mode.

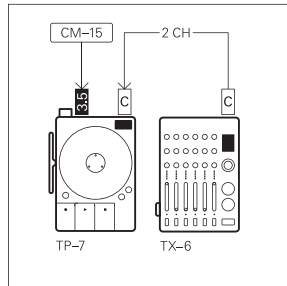
use three analog inputs in any variation or set your jacks to 'headset' from the system menu.



recording:
analog / digital

when connected to TX-6 in 2-channel mode, you can combine it with any analog input. set it to any of the three tracks you prefer.

this setup is great when combining **multiple** analog sources with a digital source

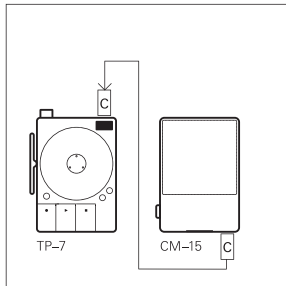


recording: digital

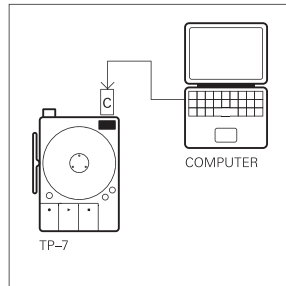
the usb-c port can be used to record in various example scenarios:

- 1 track: CM-15
- 3 tracks: computer
- 6 tracks: TX-6 (12 channel mode)

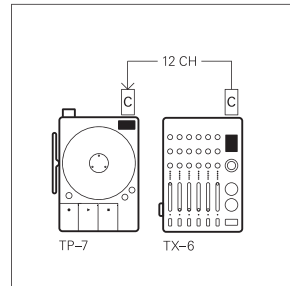
1 track



3 tracks



6 tracks



recording configuration

in rec armed mode and in edit mode, you can configure the number of tracks and what input sources you want to set them to. there are four different input alternatives:

- nothing (silence)
- internal mic
- analog
- digital

when selecting a track, adjust the input gain by pressing the up and down user buttons.



enter rec armed mode.

the number of tracks used will be auto detected based on what is connected your TP-7.



press plus to enter track view.

track 1, internal mic.



if multiple inputs are connected press plus / minus to select your tracks.

track 2, silence.



press mode to toggle the input source alternatives.

track 2, usb-c / digital.



to add a track, press and hold plus.

confirm by pressing plus again. press mode to toggle input sources alternatives.



remove a track by holding minus and confirm by pressing minus again.

pro-tip: in armed rec mode, hold up to show current input overview.

edit recording

in TP-7, you can make edits to your recordings by using edit mode. you have the option to either replace or mix your existing tracks with the new edit.

however, the original recording cannot be reverted back to its original state, so make sure you're ready to commit.



toggle
edit mode



toggle playback /
recording mode



scrub recording
to set in-point



start
edit



access the
system settings
to set the edit
mode.



scroll to select
either 'mix' or
'replace'.

selecting 'mix'
will mix the
recording
together with
your new edit.



selecting
'replace' will
replace the
recorded track
with your new
edit.

edit recording



after exiting the system menu, select the recording you want to edit.

press the record and stop buttons together to toggle the edit mode.

the number of tracks will appear in the bottom left of the screen.

scrub the tape reel to set the desired in-point.

scrub back before the start of the file and start recording. the recording will then start at zero.



in edit mode you can both playback and record.

hit record to toggle between recording and playback.

the armed recording edit mode is indicated by the flashing recording light.

in edit mode you can always cycle through the file tracks with plus / minus.

the tracks without a selected input will be left untouched.

the tracks with a selected input will be overwritten / mixed depending on the setting in the system menu.

edit recording



0.00.08
EDIT 3 TR

press play to start the edit.



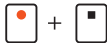
0.00.10
EDIT 3 TR

hold your finger on the reel to pause.



0.00.00
EDIT 3 TR

press stop to stop the edit.



EDIT
OFF

to exit edit mode and return to normal recording mode, press the rec and stop button together again.

pro-tip: replace mode is useful when you want to replace an existing recording with an entirely new one. for instance, if you recorded a guitar solo but you want to re-record it, you can use replace mode to erase the old take and record a new one in its place.

alternatively, mix mode is useful if you want to layer multiple recordings. if you want to add harmonies to a vocal track, use mix mode to overdub the new recording on top of the existing one. this allows you to create complex arrangements with multiple layers of instruments and vocals.

gain



for every scenario you are recording, from vocals to instruments, you will need to adjust the gain levels to achieve the best quality sound.

as you adjust the gain level, you will see the decibel number displayed on the screen. the leds on the bottom right of tape will indicate your levels, so you can see when you are in a safe zone or if you're at risk of clipping.

0dB

minimum gain.

while in in rec armed mode (analog), set the gain by pressing up / down.

+42dB

max gain.

the maximum analog gain is +42 dB.

fixed gain

when selecting either the usb-c input or the internal mic, the gain settings will be fixed by default.

using up and down buttons to set the gain while using either of these inputs, will display the following screens.

note: if the CM-15 microphone is connected to TP-7 with usb, its gain can be adjusted from -12dB to +12dB.

usb-c

DIGITAL
FIXED GAIN

microphone

MIC
FIXED GAIN

playback

with playback you can listen back to any track you have recorded and stored on your device. use the built-in speaker or connect and external speaker / headphones to listen.

use the mode button to choose to listen from your collection of memos, recordings, or from the library.



start playback



pause recording



scrub recording



skip tracks



rewind / fast forward

playback



in any mode, press play to start the playback.



hold the reel to pause the playback. release it to continue the playback.



rotate the reel in any direction to scrub the recording. you can also use the rocker to fast forward and rewind.



press stop to stop playback. press stop again to reset to the beginning of the file.

playback settings



you can set how playback works from the system settings.

if playback is set to resume in the system menu, the next track will load automatically when a track ends.

if set to stop, the device will stop after the track has been played.

the repeat setting will start your playback again when the track ends.

playback speed and direction



press play to start the playback and press play again to reverse the playback direction.

to adjust the playback speed while playing a track, press the mode button.

the speed adjuster will appear, set to 0 by default.

-50% playback speed (minimum). rotate left to slow it down,

+200% playback speed (maximum). rotate right to speed it up.

browsing files



press mode button to toggle between the three playback modes: memo, recordings and library.

memo



memo recordings.

files are displayed by date / year / time of recording.

recordings



tape recordings.

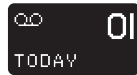
files are displayed by date / year / time of recording.

library



library files.

files are displayed by A-Z.



use plus / minus to skip through files.



press up and use the tape reel to browse your recordings.

the list will contain dates or folders depending on mode.



press up again to select the recording file.



press and hold down to show file info.

speaker

TP-7 has a built-in speaker, useful for quickly auditioning your recordings.

choose the speaker setting from the system menu to control how it should behave.

on



the internal speaker is on, and your playback will be audible when playing.

auto



the playback will automatically play from the connected output. if no output, then from the internal speaker.

volume

the volume is set by rotating the power switch. clockwise to increase the volume, counterclockwise to lower it. turning the switch all the way back beyond minimum volume will turn off the device.

maximum



max volume.

minimum



minimum volume.

tape reel motor

the tape reel motor can be configured in three ways:

- on: play and rec
- on: play
- off

when switched off the tape reel will not spin at all, nor can it be used to scrub your recordings. this comes in handy when carrying it in your pocket as a music player or at times when you want to be more discrete.

play and rec



access the motor settings from the system menu.



the motor is activated and the tape reel will spin both in rec and play mode, as well as being able to use it for scrubbing.

play



the motor is activated and the tape reel will spin but only in play mode, as well as being able to use it for scrubbing.



off







the motor is off and will not spin or scrub.

ble (bluetooth)

TP-7 can accept midi connections from bluetooth le midi devices. bluetooth is disabled by default, so to accept bluetooth connections, enable ble in the system menu.

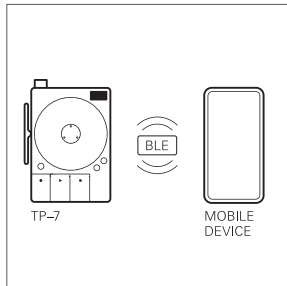
device	
	
access the ble settings from the system menu.	ble is on and accepting connection requests from ble midi hosts.

scan	off	name	
			
scanning for ble midi devices and connect to the one with the strongest signal.	bluetooth is disabled.	set your device name from the system menu. the name will be displayed at start-up, as well as when accepting ble connections.	the name can be customized and consists of four letters or digits in combination. use tape reel to set letters, plus to confirm.

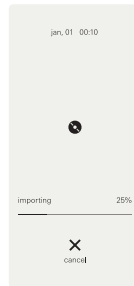
companion app

TP-7 has a free companion app for transcribing your recordings and exporting them as text. you can send your audio files via ble to your phone, then send the transcribed text to your email.

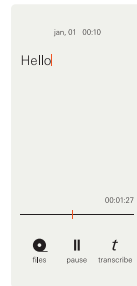
download the TP-7 app to your smart phone from wherever apps can be found.



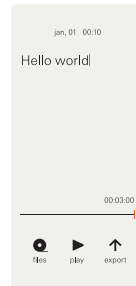
importing:
when
connected, the
selected recording / voice
memo on your
TP-7 will show.



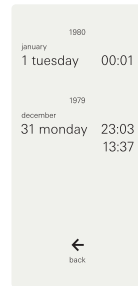
transcribing:
click the
transcribe button
to transcribe
your recording.



exporting:
export your text
by pressing the
export button.



files:
access all of your
transcriptions.



deleting files

to delete files, you can either delete recordings through the mtp interface or directly on the device.

to delete files on TP-7, go to the selected file and hold stop. confirm by scrolling the reel and press plus.

note: you can only delete recordings and memos on your device. to delete your library files, use the mtp interface.



deleting files.
in any mode,
hold stop to
erase the current
file.



deleting files.
use the reel to
select yes / no,
and plus to
confirm.

file transfer

when connected with usb to a computer the files are available over the mtp interface.

the recommended way to access it on mac os is to download and use our field-kit app. the app will also set the time and date in the device when connected.

when the files are transferred, disconnect the TP-7 from your computer device, and turn the unit back on. the files should show up right a way in the library browser.

mtp screen



when the power switch is off, the mtp screen will appear.

library

the library is where you can store and access external audio files from your computer, to use for playback, for overdubbing, creating your own unique tracks in TP-7, or for djing, selecting tracks and using the tape reel to scratch.

TP-7 can also store other file types, and be used as an external storage device for your computer. these files can only be accessed from the computer and not from the menu.



access the library mode by toggling the mode button.



when in library mode, the latest track will appear.

'no file' will be displayed if no tracks are added.



choose tracks by pressing plus / minus.

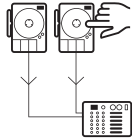


hold down to show file info: track title, audio length, sample rate, mono / stereo.



the same playback settings apply to the library playback.

to listen to your library files, just press play.



pro-tip: connect two TP-7s to a TX-6 for a super portable dj setup.

scenarios

interview

podcast

voice
memos

field
recordings

live
recordings

live
performing

the TP-7 field recorder is a very versatile device, useful for journalists, doctors, podcasters, artists, dj:s and creatives.

as with all teenage engineering products, TP-7 has been developed with portability and compatibility in mind.

the following pages illustrate a variety of ways in which TP-7 can be put to use.



it is great for interviews, on the field or in a studio setting.



TP-7's portability makes it ideal for podcasting. use the internal mic or your microphone for higher quality audio.



TP-7 is the perfect tool for documentation in your line of work, especially when using transcription.



since TP-7 is small and can be battery powered it's great in the field.



use it to track all instruments in the studio, or record your live set when performing.



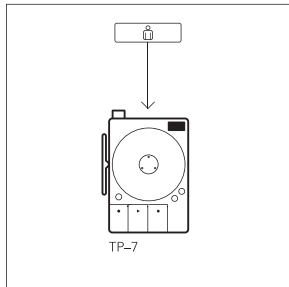
TP-7 can act as turntables and TX-6 is the mixer.

voice memo

transcription

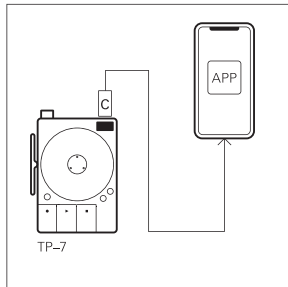
mode: **M**

function: 



mode: **M**

function: 

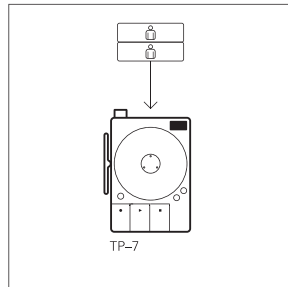


field
interview

studio
interview

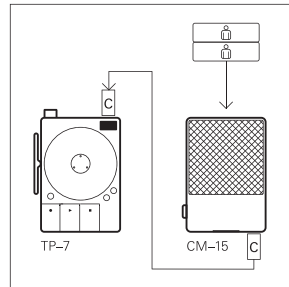
mode: **∞**

function: 



mode: **∞**

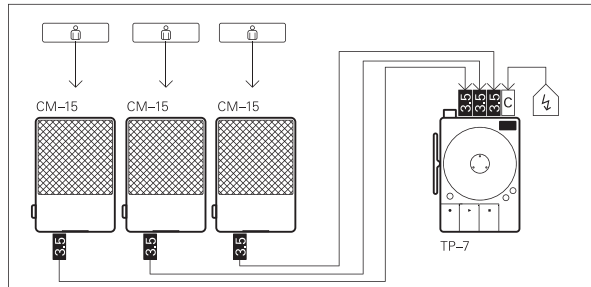
function: 



podcast

mode: 

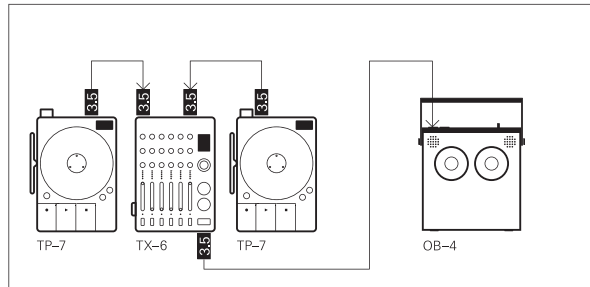
function: 



dj setup

mode: 

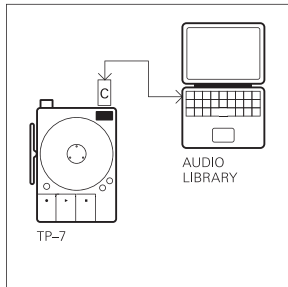
function: 



external drive

mode: 

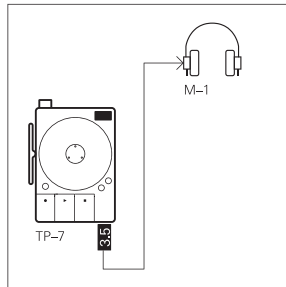
function: 



pocket player

mode: 

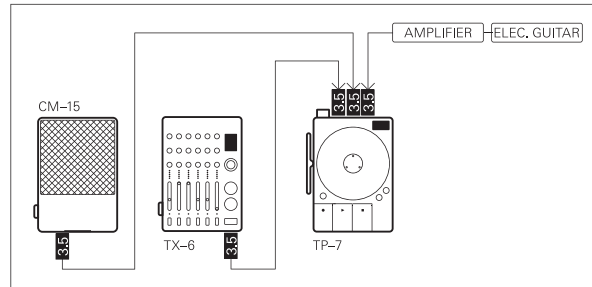
function: 



multitrack recorder

mode: 

function: 



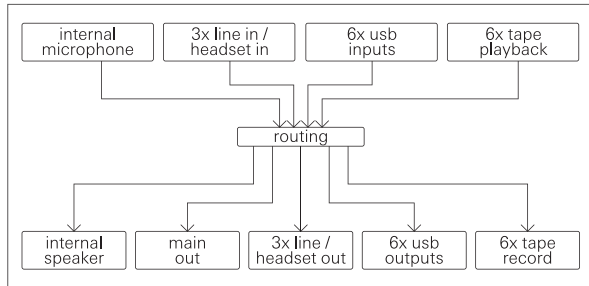
audio routing

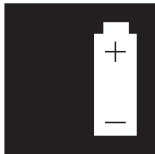
when in playback mode, the analog and usb inputs are not in use. the playback can be routed via the main output, the usb out and the internal speaker.

depending on how you route the audio, different options are available.

the audio can be sent as:

- 6 separate channels on usb
- 3 separate channels to line out if multichannel player mode
- mixed to all headsets if in headset mode
- mixed to main out in normal mode and headset mode
- mixed to speaker in normal mode if main out disconnected





technical specifications

- 3 trrs two-way mini jacks
- 1 stereo headphones connector
- 24-bit/96 kHz usb audio interface
- bluetooth low energy radio interface
- rechargeable battery
- 7 h battery life
- 64x32 pixel monochrome display
- 128 GB internal storage

electrical characteristics

- two-way jacks:
input:
impedance 9.5 kOhm
analog gain 0 - 42 dB
max level 8 dBu, 2 Vrms
SNR 105 dBA
headset:
max level 2 dBu, 1 Vrms
SNR 110 dBA
microphone SNR 98 dBA
- headphone output:
max level 8 dBu, 2 Vrms
SNR 120 dBA

handling

ambient working temperature:
0-50°C (32-122°F)

ambient storage temperature:
0-30°C (32-86°F)

clean the shell of the unit with a microfibre cloth. use pressurized air to remove dust from the device.

to keep the battery healthy, the unit should be charged at least every 6 months. if not used for a long time, it may not charge again.

warnings and warranty

TEENAGE ENGINEERING TP-7
MODEL NO: TE025AS001

RISK OF EXPLOSION OR FIRE IF THE BATTERY IS REPLACED WITH INCORRECT TYPE. ONLY A BATTERY SUPPLIED BY TEENAGE ENGINEERING AND INSTALLED BY QUALIFIED PERSONNEL SHOULD BE USED. TO PREVENT POSSIBLE HEARING DAMAGE, DO NOT LISTEN AT HIGH SOUND LEVELS FOR LONG PERIODS.

FOR WARRANTY, SAFETY INSTRUCTIONS AND FULL REGULATORY INFORMATION, VISIT:
teenage.engineering/guides/tp-7

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES AND ISSED CANADA'S LICENCE EXEMPT RSS(S). 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 UNDESIRE OPERATION.

MODIFICATIONS NOT EXPRESSLY APPROVED BY TEENAGE ENGINEERING COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC ID: Z23025A
IC: 9915A-025A

avertissements et garantie

TEENAGE ENGINEERING TP-7
MODEL NO: TE025AS001

RISQUE D'EXPLOSION OU DE FEU SI LA BATTERIE EST REMPLACÉE PAR UN TYPE DE BATTERIE INCORRECT. SEULE UNE BATTERIE FOURNIE PAR TEENAGE ENGINEERING ET INSTALLÉE PAR UN PERSONNEL QUALIFIÉ DOIT ÊTRE UTILISÉE. AFIN D'ÉVITER TOUT DOMMAGE LIÉS À VOTRE AUDITION, IL EST RECOMMANDÉ DE NE PAS ÉCOUTER VOTRE MUSIQUE TROP FORT ET TROP LONGTEMPS.

POUR PLUS D'INFORMATIONS À PROPOS DE LA GARANTIE, LES INSTRUCTIONS DE SÉCURITÉS ET INFORMATIONS RÉGLEMENTAIRES, VISITEZ:
teenage.engineering/guides/tp-7

CET APPAREIL EST CONFORME À LA PARTIE 15 DES RÈGLES DE LA FCC ET LE PERMIS D'ISED CANADA NORMES RSS EXEMPTÉES. SON FONCTIONNEMENT EST SOUMIS AUX DEUX CONDITIONS SUIVANTES:

(1) CET APPAREIL NE DOIT PAS PROVOQUER D'INTERFÉRENCES PRÉJUDICIALES, ET

(2) IL DOIT ACCEPTER TOUTE INTERFÉRENCE REÇUE, Y COMPRIS LES INTERFÉRENCES POUVANT ENTRAÎNER UN MAUVAIS FONCTIONNEMENT.

LES MODIFICATIONS NON EXPLICITEMENT APPROUVÉES PAR TEENAGE ENGINEERING PEUVENT CONDUIRE À ANNULER LES DROITS DE L'UTILISATEUR À UTILISER L'ÉQUIPEMENT.

FCC ID: Z23025A
IC: 9915A-025A

RF EXPOSURE COMPLIANCE

THIS EQUIPMENT COMPLIES WITH FCC/ISED RADIATION EXPOSURE LIMITS SET FORTH FOR AN UNCONTROLLED ENVIRONMENT. END USER MUST FOLLOW THE SPECIFIC OPERATING INSTRUCTIONS FOR SATISFYING RF EXPOSURE COMPLIANCE. THIS TRANSMITTER MUST NOT BE CO-LOCATED OR OPERATING IN CONJUNCTION WITH ANY OTHER ANTENNA OR TRANSMITTER.

THE PORTABLE DEVICE IS DESIGNED TO MEET THE REQUIREMENTS FOR EXPOSURE TO RADIO WAVES ESTABLISHED BY FCC/ISED. THESE REQUIREMENTS SET A SAR LIMIT OF 1.6 W/KG AVERAGED OVER ONE

GRAM OF TISSUE. THE HIGHEST SAR VALUE REPORTED DURING PRODUCT CERTIFICATION FOR USE WHEN PROPERLY WORN ON THE BODY, WITH 0 MM SEPARATION, WAS 0.63 W/KG.

CONFORMITÉ D'EXPOSITION AUX RF

CET ÉQUIPEMENT EST CONFORME AUX LIMITES D'EXPOSITION AUX RAYONNEMENTS FCC/ISED ÉTABLIES POUR UN ENVIRONNEMENT NON CONTRÔLÉ. L'UTILISATEUR FINAL DOIT SUIVRE LES INSTRUCTIONS SPÉCIFIQUES POUR SATISFAIRE LES NORMES. CET ÉMETTEUR NE DOIT PAS ÊTRE CO-IMPLANTÉ OU FONCTIONNER EN CONJONCTION AVEC TOUTE AUTRE ANTENNE OU TRANSMETTEUR.

L'APPAREIL PORTABLE EST CONÇU POUR RÉPONDRE AUX EXIGENCES D'EXPOSITION AUX ONDES RADIO ÉTABLIES PAR L'ISED.

CES EXIGENCES ÉTABLISSSENT UN SAR LIMITE DE 1.6 W/KG EN MOYENNE POUR UN GRAMME DE TISSU ORGANIQUE. LA VALEUR SAR LA PLUS ÉLEVÉE SIGNALÉE LORS DE LA CERTIFICATION DE PRODUIT À UTILISER LORSQU'IL EST CORRECTEMENT PORTÉ SUR LE CORPS, AVEC UNE SÉPARATION DE 0 MM, EST 0.63 W/KG.

CAUTION

DO NOT TRY TO CHARGE OR USE A UNIT WITH A SEEMINGLY DAMAGED BATTERY.

ONLY A BATTERY SUPPLIED BY TEENAGE ENGINEERING INSTALLED BY QUALIFIED PERSONNEL SHOULD BE USED.

DISPOSAL OF A BATTERY INTO FIRE OR A HOT OVEN, OR MECHANICALLY CRUSHING OR CUTTING OF A BATTERY, THAT CAN RESULT IN AN EXPLOSION.

LEAVING A BATTERY IN AN EXTREMELY HIGH TEMPERATURE SURROUNDING ENVIRONMENT THAT CAN RESULT IN AN EXPLOSION OR THE LEAKAGE OF FLAMMABLE LIQUID OR GAS.

TO PREVENT POSSIBLE HEARING DAMAGE, DO NOT LISTEN AT HIGH SOUND LEVELS FOR LONG PERIODS.

STORE SMALL PARTS OUT OF THE REACH OF CHILDREN AND INFANTS. IF ACCIDENTALLY SWALLOWED, CONTACT AN EMERGENCY MEDICINE DOCTOR IMMEDIATELY

MADE FOR APPLE BADGE

USE OF THE MADE FOR APPLE BADGE MEANS THAT AN ACCESSORY HAS BEEN DESIGNED TO CONNECT SPECIFICALLY TO THE APPLE PRODUCT(S) IDENTIFIED IN THE BADGE AND HAS BEEN CERTIFIED BY THE DEVELOPER TO MEET APPLE PERFORMANCE STANDARDS. APPLE IS NOT RESPONSIBLE FOR THE OPERATION OF THIS DEVICE OR ITS COMPLIANCE WITH SAFETY AND REGULATORY STANDARDS.

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EU COMPLIANCE

HEREBY, TEENAGE ENGINEERING DECLARES THAT THE RADIO EQUIPMENT TYPE TP-7, TE025AS001, IS IN COMPLIANCE WITH DIRECTIVE 2014/53/EU. THE FULL TEXT OF THE EU DECLARATION OF CONFORMITY IS AVAILABLE AT THE FOLLOWING INTERNET ADDRESS:

teenage.engineering/guides/tp-7

FREQUENCY BAND:
2400 - 2483.5 MHZ

MAXIMUM OUTPUT POWER:
10 DBM EIRP

UK COMPLIANCE

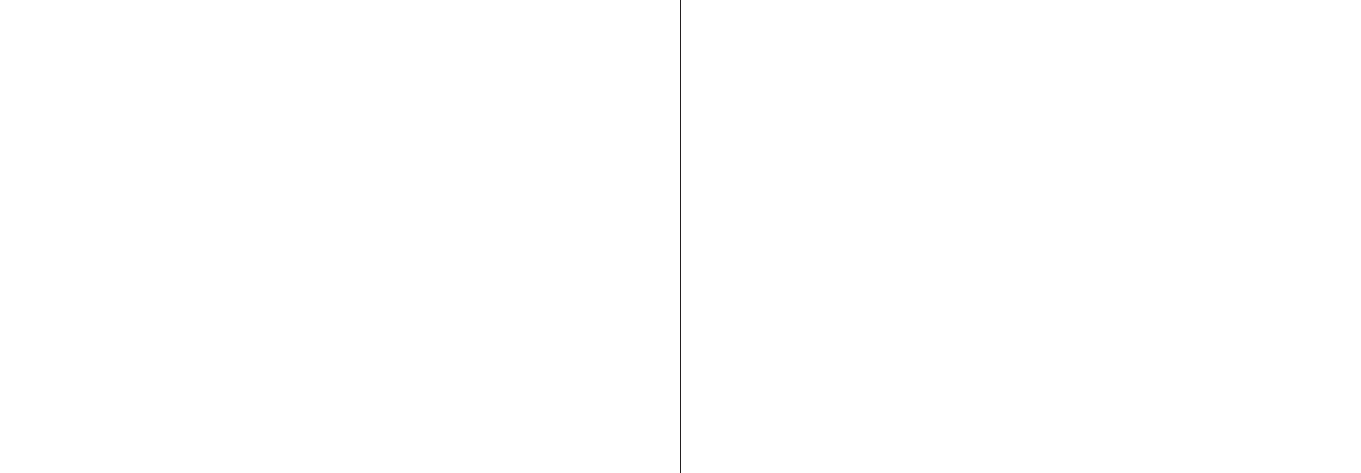
HEREBY, TEENAGE ENGINEERING DECLARES THAT THE RADIO EQUIPMENT TYPE TP-7, TE025AS001, IS IN COMPLIANCE WITH RADIO EQUIPMENT REGULATIONS 2017. THE FULL TEXT OF THE UK DECLARATION OF CONFORMITY IS AVAILABLE AT THE FOLLOWING INTERNET ADDRESS:

teenage.engineering/guides/tp-7

RECYCLING

ELECTRICAL AND ELECTRONIC EQUIPMENT, PARTS AND BATTERIES MARKED WITH THIS CROSSED-OUT WHEELIE BIN SYMBOL MUST NOT BE DISPOSED OF WITH NORMAL HOUSEHOLD WASTAGE, IT MUST BE COLLECTED AND DISPOSED OF SEPARATELY TO PROTECT THE ENVIRONMENT. THIS PRODUCT CONTAINS A BUILT IN LI ION BATTERY.





TEENAGE ENGINEERING AB
TEXTILGATAN 31
120 30 STOCKHOLM
SWEDEN / SUÈDE



FIRMWARE VERSION:
1.0.8

designed and
engineered by
teenage
engineering