

“We are currently testing the final prototype - that should be done by the end of the month. I cannot say right now how long procurement of PCBs and other parts in sufficient quantities will take, but it should not be too far out!” --Willi OE1WKL 2025-07-19

Echo Trainer

- The played word must be repeated, with feedback on whether it is correct or incorrect.
- The same selection options for the input as with the CW Generator.
- The number of attempts is adjustable.
- Manual key input is also supported.

Koch Trainer

- Learn character by character.
- CW Trainer and Echo Trainer for the characters learned so far.

Transceiver

- Direct communication between Morserinos via 2.4 GHz (ESP-NOW technology).
- WiFi transceiver enables communication over the Internet and connections via chat servers or QSObots.
- Support for iCW and VBand over the Internet.

Decoder

- Decodes either from manual key input or audio input.

Availability / Price Information

Announcements will be made on <https://www.morserino.info> and <https://morserino.groups.io>.

ÖVSV – Austrian Amateur Radio Association

The ÖVSV, as the representative body for all Austrian amateur radio operators, is a member of the IARU "International Amateur Radio Union" (Region 1). The ÖVSV is a

non-profit association aimed at promoting and preserving amateur radio. Its activities extend across the entire territory of the Republic of Austria.

The ÖVSV is your contact point!

- We advocate for amateur radio.
- Services and support for your hobby.
- Assistance and training in regional associations.
- Transition and entry into amateur radio.
- Emergency radio service – interface with authorities.
- Representation of interests.

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Morserino

M32 Pocket is coming! © ÖVSV, 2025 Text: OE1WKL, Willi Kraml More information at www.morserino.info www.oevsv.at

The M32 Pocket is coming!

The time is near – the third generation of the Morserino-32 is in its final preparation phase (the images show various prototypes; minor design changes to the casing are still possible).

What remains – and what's new?

Hardware:

- Larger and higher-contrast display (1.9" color TFT), offering better readability.
- Tone generation and amplification via digital codec: resulting in a clean sine tone.
- Standard version without LoRa – but still comparable functionality – see the software section.

Software:

- The firmware of the M32 Pocket is based on the same foundation as previous versions, ensuring practically identical operation and functionality.
- Version 7.0, which will be released simultaneously with the M32 Pocket, offers several new features (these functions will also be available for existing Morserino-32 devices via a simple firmware update):

- An option to flip the display view by 180°: important for left-handed operation of the M32 Pocket.
- The ability to generate the 5,000 most common English words.
- An option to display output on the screen in UPPERCASE letters.
- Bluetooth keyboard output: enabling practice with VBand (a popular online training platform) without an additional dongle, and also allowing the Morserino to be used as an input keyboard for smartphones, tablets, or computers.
- New WiFi functionality with ESP-NOW allows communication between Morserinos without additional hardware (comparable to the LoRa functionality of older generations): peer-to-peer communication on 2.4 GHz, without an access point/router.

M32 Pocket Overview

General

- Small and lightweight (approx. 100 g) in a 3D-printed casing, with integrated capacitive touch paddle.
- Very readable 1.9" TFT display.
- Powered by a LiPo battery of the standard 14500 type (inserted into the battery holder on the circuit board).
- USB-C port (for charging the battery and communication with an external computer).
- Port for external key (supports paddle and manual key).
- Port for transmitter/transceiver (to key the transmitter).
- Port for headphones or audio input/output for external devices.
- Large, powerful speaker.
- Adjustable frequency and volume of the monitoring tone.
- Simple operation via rotary encoder (with push-button function) and additional push button.
- Easy firmware updates either via WiFi or USB.
- Communication with external PC via USB (serial protocol): can be used for speech output, parameter settings, or remote control of Morserino functions (implementation of all these functions, e.g., at tegmento.org).

CW Keyer

- From 5–60 WpM (25–300 characters per minute), in Iambic A, B, or Ultimatic mode.
- Memory keyer functionality (memories are programmed via an external PC).
- Paddle polarity can be switched.

CW Generator

- Generates random characters, call signs, common CW abbreviations, or frequent English words.

- The length of the output words/character strings can be adjusted.
- Spacing between characters and words can be increased.
- Can also play text files uploaded via WiFi or USB.
- Can play from these files.
- All Morserinos can transmit. More information at www.morserino.info and morserino.groups.io.