

Teenage Engineering PO-35

Teenage Engineering Pocket Operator PO-35 Speak User Manual

This manual provides detailed instructions for the setup, operation, and maintenance of your Teenage Engineering PO-35 Speak vocal synthesizer, sampler, and sequencer.

1. PRODUCT OVERVIEW

The Teenage Engineering PO-35 Speak is a compact vocal synthesizer, sampler, and sequencer designed for portable music creation. It features a built-in microphone for sampling, 8 distinct voice characters, and a 16-step sequencer.

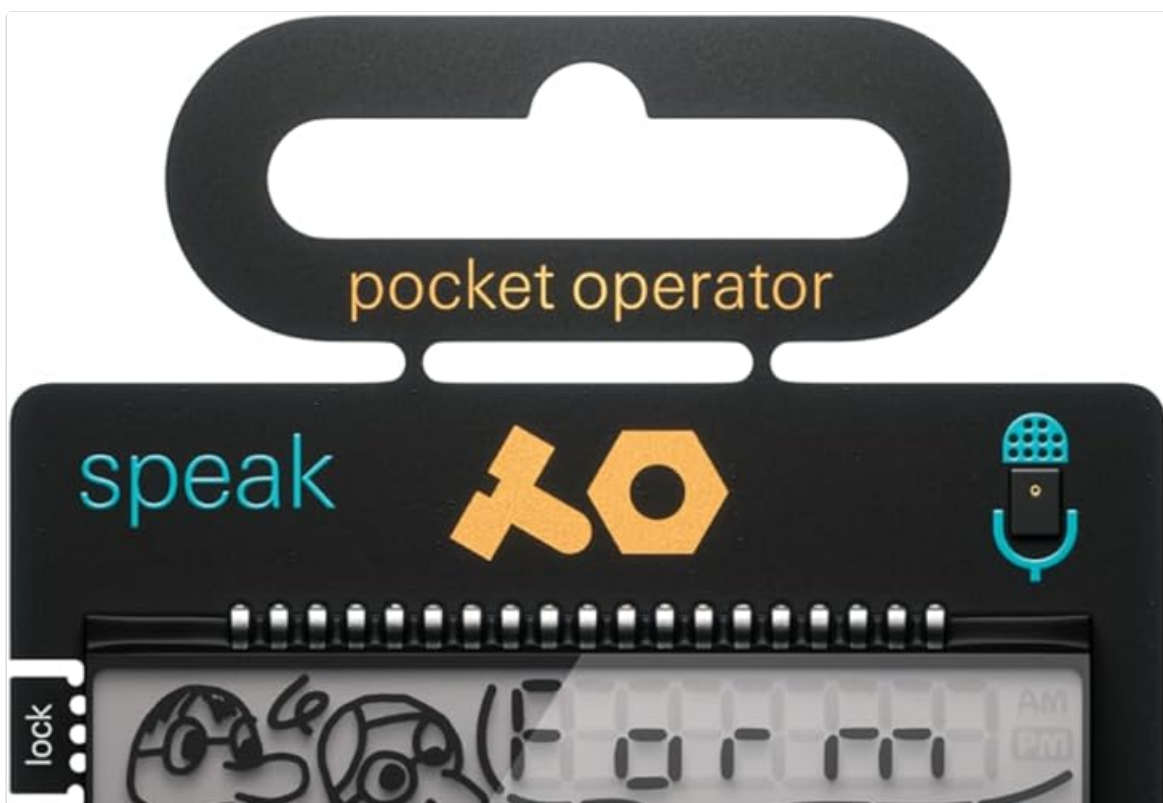




Image: Front view of the Teenage Engineering PO-35 Speak unit, showcasing its display, buttons, and knobs.



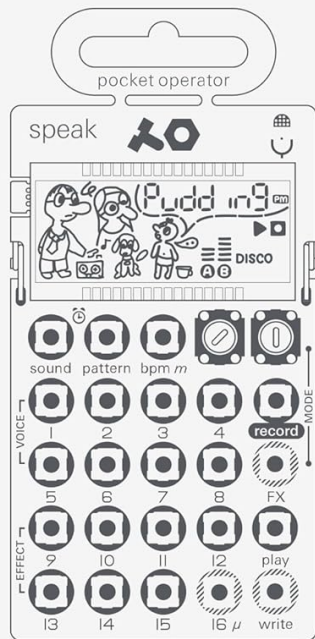
Image: A visual representation of the PO-35 Speak's key features, including its sequencer, parameter locks, 8 voice characters, 8 effects, speaker, audio I/O, jam sync, alarm clock, and voice recording capability.

2. SETUP AND FIRST USE

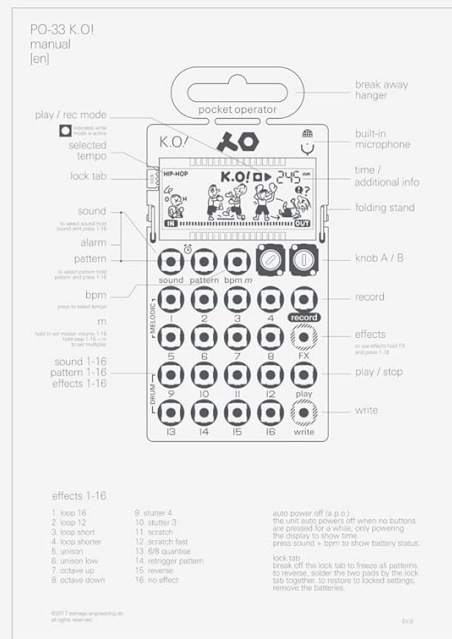
2.1. Powering On

The PO-35 Speak requires two AAA batteries (not included). Locate the battery compartment on the rear of the unit.

what's in the box



PO-35 unit



user guide

Image: Rear view of the PO-35 Speak, showing the battery compartment designed for two AAA batteries and indicating battery life.

Insert the batteries into the compartment, observing the correct polarity (+/-). The device will power on automatically once batteries are correctly installed.

2.2. What's in the Box

Your PO-35 Speak package should contain:

- One PO-35 Speak unit
- User Guide (this document)

create a pocket operator band.
sync and play up to 9 units.



Image: Illustration showing the contents of the PO-35 Speak packaging, including the unit itself and a user guide.

2.3. External Connections

The PO-35 Speak includes a 3.5 mm audio output for headphones or external speakers, and a 3.5 mm audio input for syncing with other devices or external sampling.



Image: Diagram of the PO-35 Speak's back panel, highlighting the break-away hanger, 3.5 mm audio out, JTAG programming port, sync in/audio in, lock tab, built-in speaker, folding wire stand, external speaker, and soldering points.

3. OPERATING INSTRUCTIONS

3.1. Basic Controls

The PO-35 features a grid of 16 buttons, two parameter knobs, and dedicated buttons for **Sound**, **Pattern**, **BPM**, **Record**, **FX**, **Play**, and **Write**. Familiarize yourself with these controls for optimal use.

vocal sampler and sequencer.



Image: Close-up front view of the PO-35 Speak, detailing the layout of its buttons, parameter knobs, and LCD screen.

3.2. Sampling Vocals

The built-in microphone allows for direct vocal sampling. To record, hold the **Record** button and speak into the microphone. The PO-35 provides 120 seconds of sampling memory.

one month battery life.

*AAA batteries not included

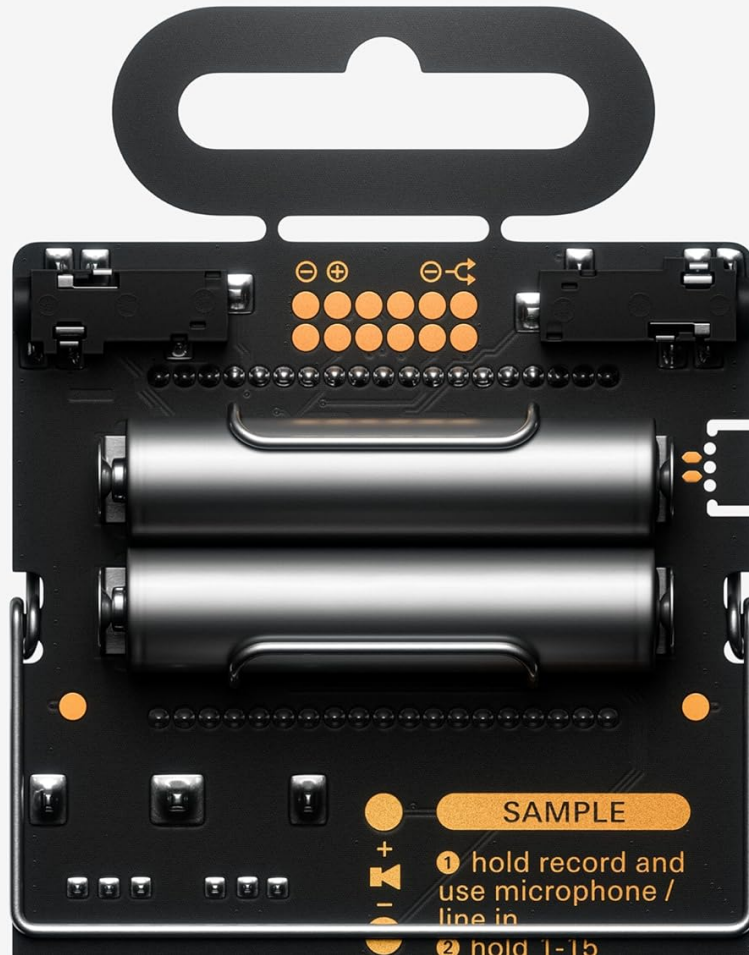


Image: Hands holding the PO-35 Speak, demonstrating its use as a vocal sampler and sequencer.

3.3. Voice Characters

The PO-35 offers 8 unique voice characters to transform your sampled vocals:

- Neutral
- Autotune
- Retro
- Noise
- Robot
- Fifth
- Vocoder
- Synth

Use the **Sound** button and the parameter knobs to select and adjust these voice characters.

3.4. Sequencing and Pattern Creation

The 16-step sequencer allows you to create rhythmic patterns. Press the **Pattern** button to select a pattern slot

(1-16). Press the numbered buttons (1-16) to add steps to your sequence.

Adjust the tempo using the **BPM** button and parameter knobs.



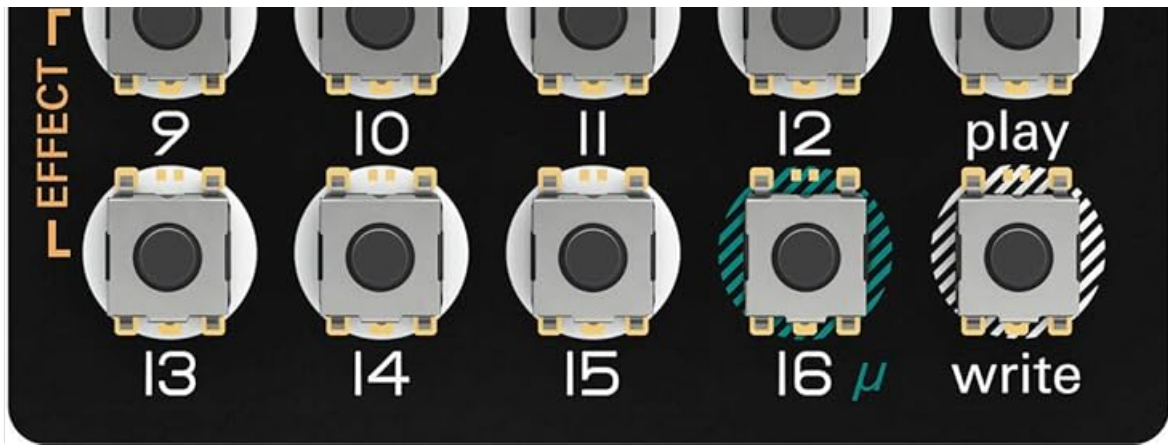


Image: Hands operating the PO-35 Speak, illustrating its function as a pocket sequencer and drum machine.

3.5. Effects (FX)

Apply various effects to your sounds and patterns using the **FX** button. The PO-35 includes 8 different effects.

3.6. Syncing with Other Devices

The PO-35 Speak can be synchronized with other Pocket Operators or external devices using standard 3.5mm stereo audio cables. Connect the audio output of one device to the audio input of another to create a synchronized setup.

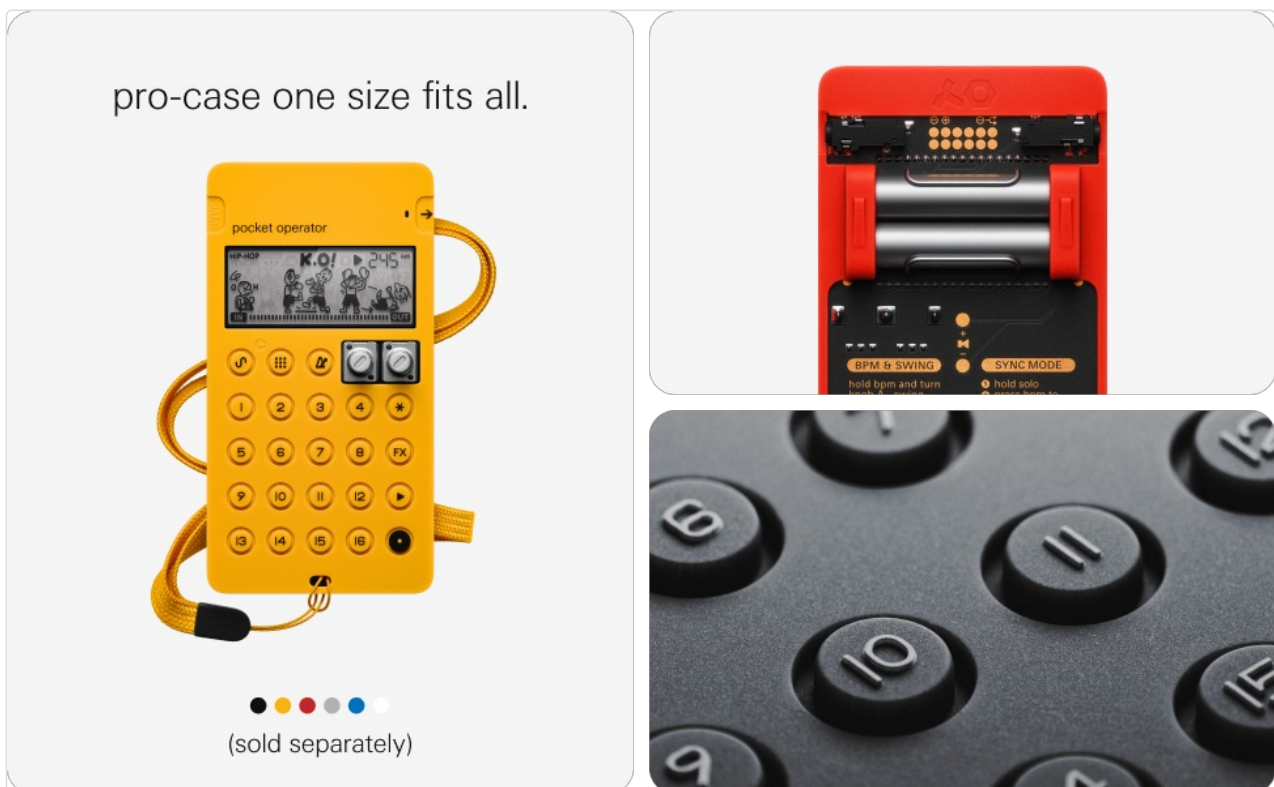


Image: Two Pocket Operator units connected via audio cables, demonstrating the ability to sync and play multiple units together.

3.7. MicroTonic VST/AU Transfer

The PO-35 supports MicroTonic VST/AU transfer. This allows you to transfer VST files via the microphone or line-in jack to create new drum sounds. The MicroTonic Plug-In is sold separately.

4. MAINTENANCE

4.1. Battery Replacement

When the battery indicator on the display is low, replace the two AAA batteries. Ensure the device is powered off before replacing batteries to prevent data loss or damage.

4.2. Cleaning

Use a soft, dry cloth to clean the unit. Avoid using liquid cleaners, solvents, or abrasive materials, as these can damage the device's surface or internal components.

5. TROUBLESHOOTING

5.1. No Sound Output

- Check the battery level on the display. Replace batteries if low.
- Ensure headphones or external speakers are properly connected to the 3.5mm audio output.
- Verify volume levels on both the PO-35 and any connected audio equipment.

5.2. Recording Issues

- Ensure the built-in microphone is not obstructed.
- Check available sampling memory. If full, delete old samples or transfer them.
- Verify that the **Record** button is held down continuously during the desired recording period.

5.3. Device Not Powering On

- Check battery orientation and ensure they are fresh, non-depleted AAA batteries.
- If issues persist after replacing batteries and checking orientation, contact customer support for further assistance.

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	PO-35 Speak
Brand	Teenage Engineering
Dimensions (L x W x H)	2.36 x 1.18 x 3.94 inches

Feature	Detail
Item Weight	2.39 ounces
Body Material	Silicone
Power Source	2 x AAA Batteries (not included)
Sampling Memory	120 seconds
Voice Characters	8
Effects	8
Connectivity	3.5mm Audio In/Out
Included Components	Built-in microphone



Image: Exploded view diagram of the PO-35 Speak, illustrating its high-quality internal components, including the speaker and display.

7. WARRANTY AND SUPPORT

For warranty information, technical support, and service inquiries, please refer to the official Teenage Engineering website or contact your authorized retailer.

Additional product information and resources can be found by visiting the [Teenage Engineering Store](#).

