voice 1-8
1. neutral
2. autotune
3. retro
4. noise
5. robot
6. fifth
7. vocoder
8. synth

effects 9-16
9. stutter sweep
10. trance gate
11. half rate
12. 16 bar build up
13. 6/8 quantize
14. retrigger pattern
15. reverse
16. no effect

auto power off (a.p.o.)
the unit auto powers off when no buttons are pressed for a while, only powering the display to show time. press sound + bpm to show battery status.

lock tab
break off the lock tab to freeze all patterns and sounds. to reverse, solder the two pads by the lock tab together. to restore to locked settings, remove the batteries.
PO-35 speak manual [en]

1. getting started
   power-up
   insert two fresh AAA batteries. pay attention to plus and minus poles.
   set time by turning knob A for hours and knob B for minutes. press any
   key to confirm and exit.
   alarm clock
   press sound + pattern. set alarm clock by turning A for hours and B
   for minutes. (disable by turning knob A all the way down.) press any
   key 1-16 to set pattern for the alarm. to stop alarm press any key.
   reset clock
   reset the clock by removing the batteries and start over.

2. recording
   hold record + any key from 1-15. the microphone will record until the
   keys are released, and the recording will be stored in the position you
   selected (1-15). each recording can be 8 seconds long. if a cable is
   inserted into the line in jack, the PO-35 will record via line in.

3. playing
   select a sound by holding the sound key and pressing any key from 1-16.
   press any key from 1-16 to play. if nothing is heard, press write key
   once.

PO-35 also comes with a single channel version of the PO-32 tonic.
hold sound and press key 16 to access it.

4. making a beat
   to enter/exit rec mode, press write. enter sound/notes in grid. active
   steps will be lit. press play to listen to your pattern.

5. playing a pattern
   hold pattern and press any key from 1-16 to select pattern. blinking led
   indicates active pattern. press play to start playing. press play again to
   stop. a pattern consists of 16 steps.

6. tweak the sound
   PO-35 has a total of four adjustable parameters. all parameters are
   adjusted using the two knobs, A and B. press FX to toggle between
   the different parameters;
   - pitch and formant
   - start point and speed

7. changing voice
   hold FX and press any key from 1-8 to change voice. while playing, if
   write mode is enabled, the voice change will be saved in the pattern.

8. adding effects
   while playing, hold FX and press any key from 9-15. if write mode is
   enabled, the effects will be saved in the pattern. to clear the saved
   effects, make sure write mode is enabled while holding FX + key 16.

9. volume
   hold bpm and press any key 1-16 to adjust master volume.

10. tempo
    press bpm to switch tempo. the bpm will be displayed in the upper
    right corner of the screen.
    HIP HOP (80 bpm)
    DISCO (120 bpm)
    TENCHO (140 bpm)
    hold bpm and turn B to fine-tune
    tempo, from 60 to 240 bpm.
    hold bpm and turn A to adjust the swing.

11. making a song
    (pattern chaining)
    press and hold pattern and select which patterns 1-16 to chain by
    pressing the corresponding key 1-16. up to 64 patterns can be
    chained. one pattern can be
    selected multiple times.
    example 1,1,1,4
    plays pattern 1 three times then
    moves on to pattern 4. after the
    last pattern is played the sequence
    will start over again.

12. data transfer data
    ensure that the receiving unit is in ‘receive’ mode. press and hold
    write + sound to transfer data to the receiving unit.

receive data
    insert a 3.5mm stereo cable from the transferring unit to receiving
    unit. press and hold record + sound to enter receive mode.

13. parameter locking
    while playing a pattern, hold write and turn knob A and knob B to
    lock the currently selected parameters. the parameters will affect the currently selected sound.

14. transpose and scale
    hold pattern and turn knob A to change key.
    hold pattern and turn knob B to switch between different scales.

15. sync multiple units
    connect a standard stereo audio cable between the units. the master
    unit will control the tempo of the slave unit. hold record and press
    bpm on master unit to toggle sync modes. press repeatedly to toggle
    between different modes displayed in the upper right corner of the
    screen. press play on slave unit to wait for master clock sync. press
    play on master to start.

sync example
    chain:    PO-32 → PO-35 → PO-33
    setting: SY1 → SY5 → SY4

disclaimer
when sampling copyrighted material, the authors
approval is needed before anything is published.
although teenage engineering will use all reasonable
endeavours to ensure the accuracy and reliability of
this product, neither teenage engineering nor any
third party supplier will be liable for any loss or damage in connection with the sale or use of the
product except for: a) personal injury caused by our
negligence or that of our employees or agents when
acting in the course of their employment with
ourselves and; b) any other direct loss or damage
caused by our gross negligence or wilful misconduct.

All express or implied conditions, warranties or undertakings (other than
conditions, warranties or undertakings expressly stated, or implied by statute
and which cannot be excluded), whether oral or in writing, including warranties
as to satisfactory quality and fitness for a particular purpose, are excluded.