

# The blackdeath MANUAL

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Power your Blackdeath with a BOSS-style 9v 2.1mm power supply. **IMPORTANT: +9v/positive on the outside, negative centre, minimum 200mA**. All orientation is with power socket on right/bottom (depending on model but it should be clear!). Jack input is top/left, output is on bottom/right.

## Switches

- Top left: Feedback on/off - switches the output back into the input, for a no-input configuration.
- Top right: Distortion switch determines whether the output is passed through the distortion.
- Bottom left: Power on/off. Simple. Power on should be switch up.
- Bottom right: Selects worm code or standard blackdeath code.

## Knobs:

Starting with the central top knob this determines the data generation algorithm (datagen) in use; it's simply selecting between certain mathematical plague simulations, or the BF interpreter, or a model of orbits, or cellular automata. The centre lower knob adjusts parameters of these data generation algorithms (stepping size, speed and so on).

But the datagens only effect things when selected by either the top left or top right knobs which function as writehead selector and readhead selector respectively. The writehead selector selects processes such as the datagens which are applied to determine where the sample is written to in the buffer (depending also on the start/end sample points set by the bottom left and right knobs). The readhead selector functions for the location where the sample is read from. So with both left and right set to 0 (far left) we write and read to a simple counting location which means that nothing changes - we just hear the sampling live. But if we change either/both left and right things become quite interesting with granulation!

## Wormcode:

Wormcode is the latest blackdeath code iteration, offering a writhing, decidedly cut-up approach to contagion, sampling and feedback. Wormcode also increases the sampling time to around 40 seconds.

The controls have been changed as follows:

- Top mid: Action on writehead.
- Top left: Select write mode and scaling.
- Top right: Select read mode and scaling.
- Lower left: Write mode modifiers
- Lower right: Read mode modifiers
- Lower mid: Action on readhead.

## Edition

**This Blackdeath module is numbered . . . . in a strictly limited edition of 10.**