

# poly



## Real Reverb.

Your tone  
in amazing spaces.

Verbs answers an age old question...

Would your guitar sound good in the Pantheon of Rome? Or a nuclear reactor hall, a cave, a neolithic tomb, the London Palladium? The answer is yes.

You have 56 presets with different captures to explore. 8 of these can be filled with imported spaces you can capture yourself.

Verbs has zero latency on your dry signal and uses analog dry though, so your dry sound is never converted. As well as unique real spaces, Verbs includes rigorously accurate captures of vintage gear including EMT140 plates, springs, 480L, and an oil can unit.

The tone can be tweaked with the accurate sliders, providing 4096 values per slider.

Presets and all values can be changed from MIDI.

## Reverb Categories



### Pool Of The Blackstar

Spaces famous for the thier unique audio character, including the longest reverb in the world, a masonic accoustic lens and a sound sculpture.



### Capricornia Caves

Caves and cavernous industrial structures, including a nuclear reactor hall, cooling tower and railway tunnels.



### Santa Lucia Basilica

Religious buildings including the almost 2000 year old pantheon of Rome.



### Echo Plates

Vintage analog reverb plate devices including the famous EMT140.



### Analog Devices

Vintage analog reverb spring and oil can devices including amp style and outboard studio gear.



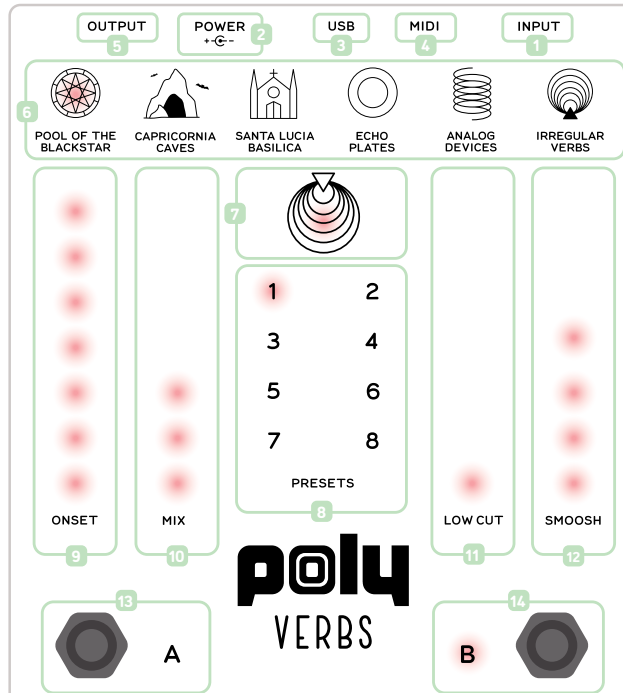
### Irregular Verbs

Bubbles, rain and unsual IRs that generate granular sounding textures.



### Adverbs

This collection holds imported reverbs and by default includes Maeshowe, a neolithic monument built around 2800 BC.



1. INPUT JACK
2. POWER INPUT:  
Requires 9V DC negative center power and consumes 500mA. Do not use more than 9V DC
3. USB (C) INPUT:  
Only use small USB flash drives.
4. MIDI INPUT + OUTPUT:  
TRS Type A. Pink = Input, Green = Output.  
More midi details on Page 4.
5. OUTPUT JACK
6. REVERB CATEGORIES 1 - 6  
(See details on next pages).
7. ADVERBS:  
8 presets for you to fill up with imported IRs.
8. PRESETS:  
8 curated preset reverbs in each category (See details on next pages).
9. ONSET:  
Reverbs pre-delay.
10. MIX:  
Reverb level
11. LOW CUT:  
High Pass filter on the send to the reverb. This is useful for Abbey Rd style techniques where you just want to send your high frequencies to the reverb.
12. SMOOSH:  
Spreads and expands the sound particles to fill the void.
13. FOOTSWITCH A:
  - Tap to go through reverb categories (set list).
  - Hold to crescendo, which increases sustain and level.
14. FOOTSWITCH B:
  - Tap to toggle bypass on/off.
  - Hold to go to next preset.





## 1+2 POOL OF THE BLACKSTAR Winnipeg, Canada.

In the basement of the Manitoba Legislative building, The Pool of the Black Star is a masonic acoustic lens. At the centre of the floor is an 8-pointed black marble star. The design of the building allows sounds from all over the building to be caught and heard in the circular room.

Recorded by Edouard Morin-Fournier and provided by Hainbach.



## 3-5 TVISONGUR SOUND SCULPTURE Seydisfjörður, Iceland.

Tvisongur is a site-specific sound sculpture by German artist Lukas Kühne and is located on a mountainside above the town of Seydisfjörður.

The work is built of concrete and consists of five interconnected domes of different sizes. Each dome has its own resonance that corresponds to a tone in the Icelandic musical tradition of five-tone harmony, and works as a natural amplifier to that tone.



## 6 INCHINDOWN OIL TANKS Longest reverb in the world.

A disused underground Royal Navy oil depot in Invergordon, Ross-shire, Scotland. The tanks hold the record for the longest reverberation in any man-made structure, surpassing the Hamilton Mausoleum in 2014. They were built to store oil for the Navy in the second world war.



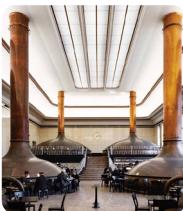
## 7 HAMILTON MAUSELEUM Longest echo in the world.

Located in Hamilton, South Lanarkshire, Scotland, this high stone vault holds the record for the longest echo within any man-made structure in the world, taking 15 seconds for the sound of a slammed door to fade.

## KÖNIG OTTO Berlin, Germany.

An old German Expressionism style brewing hall, complete with all the fascinating brewing equipment from its completion in 1930.

Captures provided by Hainbach.



## 1 CAPRICORNIA CAVES Rockhampton, Australia.

The Capricorn Caves are a maze of limestone caves, located about 23 km north from Rockhampton, Queensland. Positioned next to Mount Etna, the caves have a uniquely wavy and rocky texture. Developed in limestone formed from corals around volcanic islands, after becoming exposed on land, the limestone was dissolved by acidic rain and underground water.

The highlight of these caves is the Cathedral Cave, from which its natural shape creates a one of a kind acoustic experience.

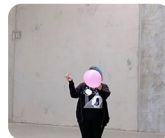


## 2+3 INNOCENT RAILWAY TUNNEL Edinburgh, Scotland.

The Innocent Railway Tunnel is a disused railway tunnel in Edinburgh, Scotland. Originally part of the Edinburgh and Dalkeith Railway it is now a cycle path. The tunnel is 566 yards (518 m) long.

## POLY HQ Coburg, Australia.

Captured before we moved in to our 10x15x8 metre factory when it was empty and cavernous.



## 5 ABANDONED COOLING TOWER Charleroi, Belgium.

In the small Belgian town of Charleroi, sits an abandoned power station. The giant cooling tower still looms large over the town.

## R1 NUCLEAR REACTOR HALL Stockholm, Sweden.

Built in 1954, the R1 Nuclear Reactor has not been used since 1970. The reactor hall, however, still remains. Found 25 metres under the KTH Royal Institute of Technology, near to Stockholm.



## 7 T2 HANGER Yorkshire Air Museum, UK.



## 8 CIVIL WAR BUNKER Menorca, Spain.



## 1 SANTA LUCIA BASILICA Sicily, Italy.

The Basilica Santa Lucia al Sepolcro stands on the same ground where Saint Lucia was martyred in 304. The old basilica was constructed before the Norman period and renovated multiple times. The building that stands today dates back to the 17th century with remnants of the Norman structure.



## 2 THE PANTHEON OF ROME Rome, Italy.

Built around 126, The Pantheon is a former Roman temple and Catholic church. Its dome, with its distinctive central hole, the "oculus", is the biggest ever built in masonry.



## 3 YORK MINSTER York, UK.

Built in the 12th-15th centuries, York Minster is the largest medieval gothic cathedral in the UK and of the finest in Europe.

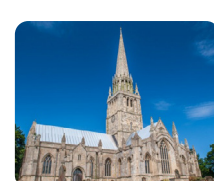


## 4 THE KNIGHT'S HALL Valetta, Malta.

The Holy Infirmary of the Knights of St John, has seen over 400 years of vivid human history, witnessing triumph and tragedy, the very fabric of the place is imbued with the ghosts of centuries.



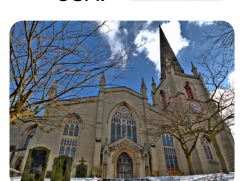
## 5 ST ALBAN'S CATHEDRAL St Albans, UK.



## 7 ST. PATRICK'S CHURCH Pattingham, UK.



## 6 ST GEORGE'S EPISCOPAL CHURCH Fredericksburg, USA.



## 8 ST MATTHEW'S CHURCH Walsall, UK.

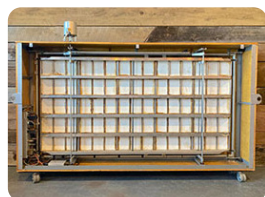




## ECHO PLATES

Plate reverb is a type of reverb effect that traditionally uses a large metal plate to create a spacious, bright, and distinctive sound.

It's lush, spacious sound has been used on countless records, adding a rich and unique quality to vocal and instrumental tracks alike.



1+2 EMT 140  
PLATE  
1957

In 1957, EMT introduced the '140' Reverberation Unit, an electro-mechanical reverberation device that offered an alternative to the spring reverbs and echo chambers of the era.



3+4 ECOPLATE  
1980

The EcoPlate Reverberation System has a decay profile designed not to 'get in the way' of the music.



5+6 LEXICON  
480-L

Released in 1986 The Lexicon 480L is one of the most famous digital reverbs and is still in use by studios around the world. Famous for its long lush sounds, this is the unit that set the standard in dual engine processing.



7 EMT 244  
Digital Reverb  
Unit.



8 BRICASTI M7  
Stereo Reverb  
Processor.



## ANALOG DEVICES

A spring reverb tank uses a number of springs to reflect the sound and create reverb.

In a method similar to the plate reverb, a transducer changes the electrical sound to a mechanic vibration in a number of transmission springs.



1+2 1962 FENDER BROWNFACE  
Reverb Tank

A Fender outboard spring tank reverb, often known as a 3 knob reverb.

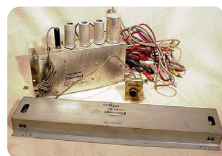


3+4 AKG SPRING  
Reverb Unit

The AKG BX20 reverberation unit was produced in the late 1960s, and is one of the most popular studio spring reverb units ever made. It is a very large spring unit and sounds totally different to amp tanks.



5 ADINEKO  
Oil Can Delay



6 K-10 FISHER  
Spring Reverb



7 MASTER ROOM II  
Spring Reverb  
Unit.



8 ROLAND  
RE-201  
Space Echo.



## IRREGULAR VERBS

A bunch of random objects and things that create out of the ordinary IRs.

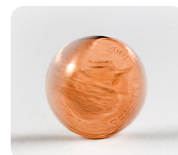
These can create granular style textures but with the complexity and beauty of naturally occurring phenomena.



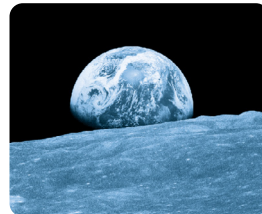
1 BUBBLES



2 RAIN



3 SPINNING  
COIN



4 APOLLO 8 MISSION  
Radio Chatter



5 CYMBAL  
PATTERN



6 PIEZO  
AUTOHARP



7 METAL  
BATHTUB



8 A SLINKY



## ADVERBS

This collection is a selection of real spaces from around the globe which can be used to save imported IRs.

Any of the default reverbs can be found on our website if you accidentally save over one that you really like.



1 MEAS HOWE  
Orkney, Scotland.

Maeshowe is a Neolithic chambered cairn and passage grave situated on Mainland Orkney, Scotland, probably built around 2800 BC.



3 02 SHEPHERD'S  
BUSH EMPIRE  
London, UK.



2 RCA STUDIO B  
Nashville, USA.



4 NOKIA CONCERT  
HALL  
Tallinn,  
Estonia.



5 ELVEDEN HALL  
Suffolk, UK.



6 LONDON  
PALLADIUM  
London, UK.

7 URSINA  
DEL ARTE  
SYMPHONY  
HALL  
Buenos Aires,  
Argentina.



8 OSTIA ANTIC THEATRE  
Rome, Italy.



## Presets

Press category or number to change preset.

All slider values will revert to the selected preset's default settings unless overwritten. Hold a number to save a preset.

## Connections

For mono, use any everyday instrument lead but if you want to run stereo, you'll need a TRS Cable.

### ONLY VALID FOR UNITS WITH SERIAL NUMBER ABOVE 500:

To run mono in to stereo out, triple tap the 'Capricornia Caves' icon. This toggles mono summing.

By default, Verbs will pass your input signal unchanged. If you would like to mute your input signal, triple tap the 'Santa Lucia Basilica' icon.

## Set List

You can easily move between your favourite presets and select the start up preset with the set list feature.

To set up a custom set list, put a file on a USB flash called `set_list.txt`

The default list is  
**0,8,16,24,32,40,48**

The numbers are the preset you want to go to, counting from zero, separated by commas.

Tap the 'Adverbs' button 4 times to import.

**Pedal Dimensions: Width: 102mm Depth: 112mm Height: 60mm**



## MIDI

To set the MIDI channel, tap the **Irregular Verbs** icon (pictured) four times quickly. The preset number buttons will light, press one of these to set a MIDI channel from 1-6.

Some controllers count from 1, if yours does, add 1 to the program numbers below.

### Midi Channel

#### Changing presets from MIDI

Send a program change message to change presets from MIDI.

0 - 7: Pool Of The Blackstar  
8 - 15: Capricornia Caves  
16 - 23: Santa Lucia Basilica  
24 - 31: Echo Plates  
32 - 39: Analog Devices  
40 - 47: Irregular Verbs  
48 - 55: Adverbs

### Midi Control Changes

Onset	14
Mix	15
Low Cut	16
Smooch	17
Crescendo (On Above 64)	18
Bypass (On Above 64)	19

PC 4 will change to preset 5 in the Pool Of The Blackstar category.

PC 8 will change to preset 1 in the Capricornia Caves category.

## How To Import Files

Insert USB flash drive into the USB C port. Files must be 48KHz, wav format. 24 bit.

Files must be named:

0.wav 1.wav up to 7.wav

These will overwrite the existing files in the Adverbs category.

Tap the 'Adverbs' icon quickly 4 times until the lights flash to import.

Files need to be in a folder called 'reverbs'.



## How To Capture A Real Space

We've got videos on this! Use the QR code above to head to our Youtube channel.

The easiest way is to put a recorder like a Zoom H5 in the middle of the room then walk back a little and pop a balloon.

Trim silence from the resulting file using something like audacity and import it.

**DON'T PLUG HARD DRIVES INTO VERBS. THERE IS NOT ENOUGH POWER. PLEASE USE ONLY SMALL USB FLASH DRIVES TO IMPORT.**

POLYEFFECTS.COM

# Love is a verb.