

# DYNA-MIC USER MANUAL

Congratulations on your purchase of a Dyna-Mic!

Dyna-Mic enables loud, clean or overdriven blues harmonica sounds, for all live performance and recording situations, without the need for your hands to develop your tone and prevent feedback.



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## INTRODUCTION

Your Dyna-Mic houses a condenser microphone and one of our custom pre-amps. When a Harp-Gasket or Pro-Gasket that contains a harmonica is attached to your Dyna-Mic a near airtight sound chamber is created.

This airtight chamber collects all the sound from your harmonica and directs it onto the internal condenser mic, while rejecting external sounds that interfere with tone, and cause feedback.

Knowing how the different components of your Dyna-Mic operate, collectively and separately, will help you to get the most out of your purchase. Please read this user manual and make sure to look at all the instruction videos on our Facebook page and YouTube channel too.

Then, if you have any further questions at all, please get in touch. Your satisfaction is highly important to me!

Yours truly,

Mitch Grainger

(Owner/Inventor)

## WARRANTY & SUPPORT

Your Dyna-Mic comes with a one year limited warranty on parts and labor. Should you encounter any problems with your Dyna-Mic, please contact us via email at [support@dyna-mic.com](mailto:support@dyna-mic.com).

*Note:* Tampering with the pre-amps electronics, removing the screws that hold the pre-amp and associated electronics to the Dyna-Mic's base plate, and general misuse will void this warranty.

## ASSEMBLY & OPERATION

### Attaching a Harmonica to your Dyna-Mic

In order to hold a harmonica to your Dyna-Mic and use it correctly you will need to use our magnetic gaskets. There are currently two types of gasket available for use with your Dyna-Mic.

The first is called a Harp-Gasket and this will hold around 80% of commercially available harmonicas, with magnetic cover plates.

Then there are our Pro-Gaskets, these gaskets have felt sleeves that fit specific commercially available harmonicas like a glove. These are individually tailored and will only work correctly with the harmonica (model or series) they are designed for.

*\*Feedback Tip: Pro-Gaskets provide superior feedback rejection and work even better if your harmonica does not have side vents in its' cover plates!*

Once you have decided on your gasket, line it up so the magnets on the back of the gasket are facing the magnets on the front of your Dyna-Mic and it will clip securely into place. A harmonica can be added to the chosen gasket before or after it's attached to your Dyna-Mic.

*\*Feedback Tip: Always mute your Dyna-Mic when changing out harmonicas or gaskets in loud and live performance situations. If not feedback **WILL** occur, as both a harmonica and gasket **need to be in place** to prevent feedback!*

## Connecting your Dyna-Mic

The high impedance signal sent from your Dyna-Mic can be plugged directly into any instrument amplifier without any damage or loss of tone.

When connecting directly to a P.A or recording console, you must either go directly into the 'line input' or use a DI box to convert the high impedance signal into a low impedance signal.

Once connected It is recommended you start generating your sound by beginning with all treble, bass and mid settings at equal levels (flat) and then adjust to taste.

**\*Feedback Tip:** *In contrast to standard practice for playing harmonica with a bullet mic, adding more bass and/or mids and turning down the treble all the way on your amp may add to low range feedback problems!*



# DYNA-MIC CONTROLS



A Classic model has a volume control, mute switch and low pass filter.

## Firebird Model



A Firebird model has a volume control, mute switch and an overdrive boost switch. The overdrive boost is adjustable via a small blue pot that is found on the pre-amp inside your Dyna-Mic. Turn this pot anti-clockwise for more overdrive.

[Watch Video Instructions](#)

## CHANGING THE BATTERY

Your Dyna-Mic uses a coin cell 3v battery (CR1632), which delivers approx 72 hours of playing time.

Once a cable is inserted to your Dyna-Mic the battery power comes on and the power light will be visible through the front grill.

When this light goes out, it is time to change the battery. First unscrew the bottom plate, held on by three small Phillips head screws. Inside you will find the built in pre-amp, with the battery located on the right hand side.

Gently use your thumb/nail or a small pry tool to remove the old battery, being careful not to touch the other components found on the pre-amp.

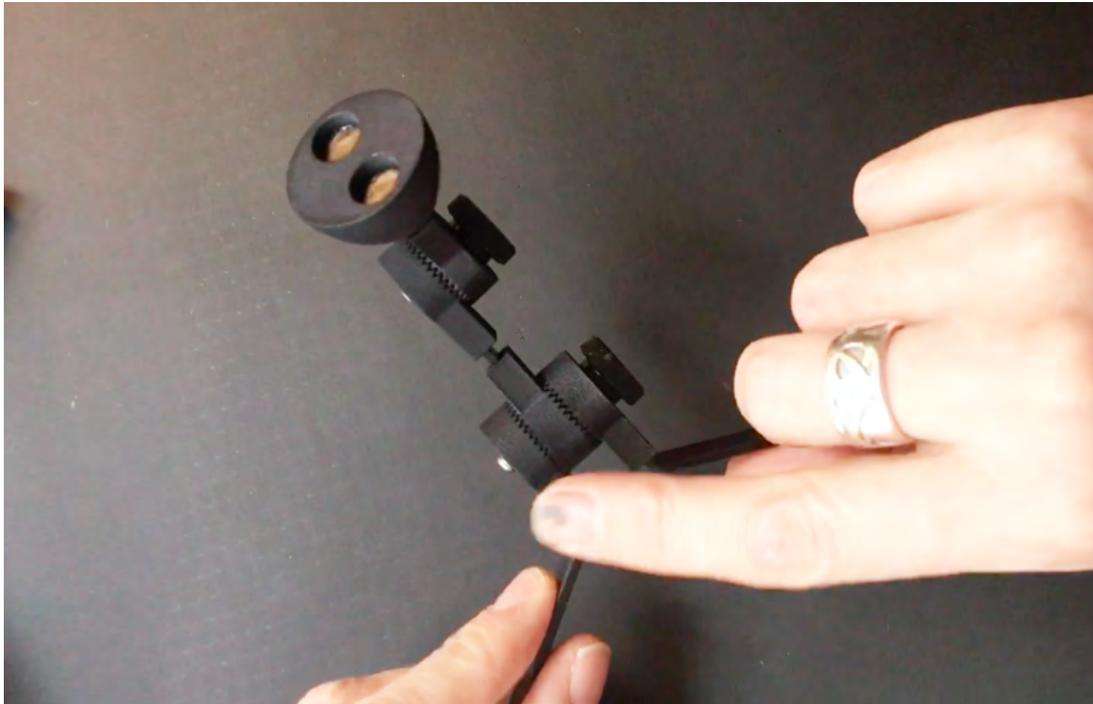
Watch Video Instructions



# STEADY-RACK INSTRUCTIONS

## Preparing Your Stead-Rack For Use

Before you use your steady-rack for the first time, you must first ensure that the middle 'barrel' that contains the three different locking parts is secure and the metal frames that lead to this connection are parallel.



If this middle 'barrel' is locked in out of alignment, it will throw the rest of the steady-racks alignment out, and make it difficult to use.

## Stead-Rack First Use

After you have completed the above step, you should now place the steady-rack around your neck, bring up the main arm to an approximate position and secure the side screws of the metal frame that is placed around the neck.

With these side screws secured, alignment will be maintained and you are now free to go back and adjust the middle barrel and top connection to where you want, without putting the rack out of alignment.

[Click here to watch the YouTube video Instructions](#)

## FURTHER CARE AND ADVICE

Treated well, protected from water, dust and given simple, basic care, your new Dyna-Mic will last decades.

### Storing your Dyna-Mic

Keep your Dyna-Mic attached to a Harp-Gasket when it is not in use. This will prevent dust and other particles from making their way into the Dyna-mic's sound chamber and protect the magnets from metal debris.

For long term storage, place the microphone in a protective case such as a foam lined (pelican) case or small padded bag.

### Pro-Gaskets Care

The felts used in pro-gaskets to hold your harmonica in place are matched to the exact rear dimensions of the particular harmonica they are designed for, as such there is a possibility to damage a pro-gasket with rough use.

When placing a harmonica in a pro-gasket, always use the correct harmonica and slide it in from a slight angle and then press down. Do not just push it in from the top or you may tear the felt.

Watch Video Instructions

### Magnets

Protect your Dyna-Mic's magnets. Dyna-Mic products contain powerful magnets that can attract metals, which may go unnoticed, and sit on these magnets, preventing the secure attachment of our Harp-Gaskets and Steady-Racks that rely on a flush connection between parts.

### The Mesh Grill

The light mesh grill on the front of your Dyna-Mic is glued in and will be easily damaged if objects or fingers are pushed through it.

Also take care when opening and closing your Dyna-Mic not to catch and damage this grill.

## Blowback

When using your Dyna-Mic, combined with a Pro-Gasket and a very airtight harmonica you may get some 'blowback', causing some of the high notes in your harmonica to sound in sympathy.

This 'blowback' does not occur with our standard Harp-gaskets, or when using harps with side vents, as the excess air moving through the harmonica has other places to escape.

There is a trade off here between feedback rejection, and the blowback, as the more airtight your Dyna-Mic the better your feedback rejection. It is suggested that you experiment with different combinations of harmonicas, and gaskets to find the right set up for your playing style and music.

