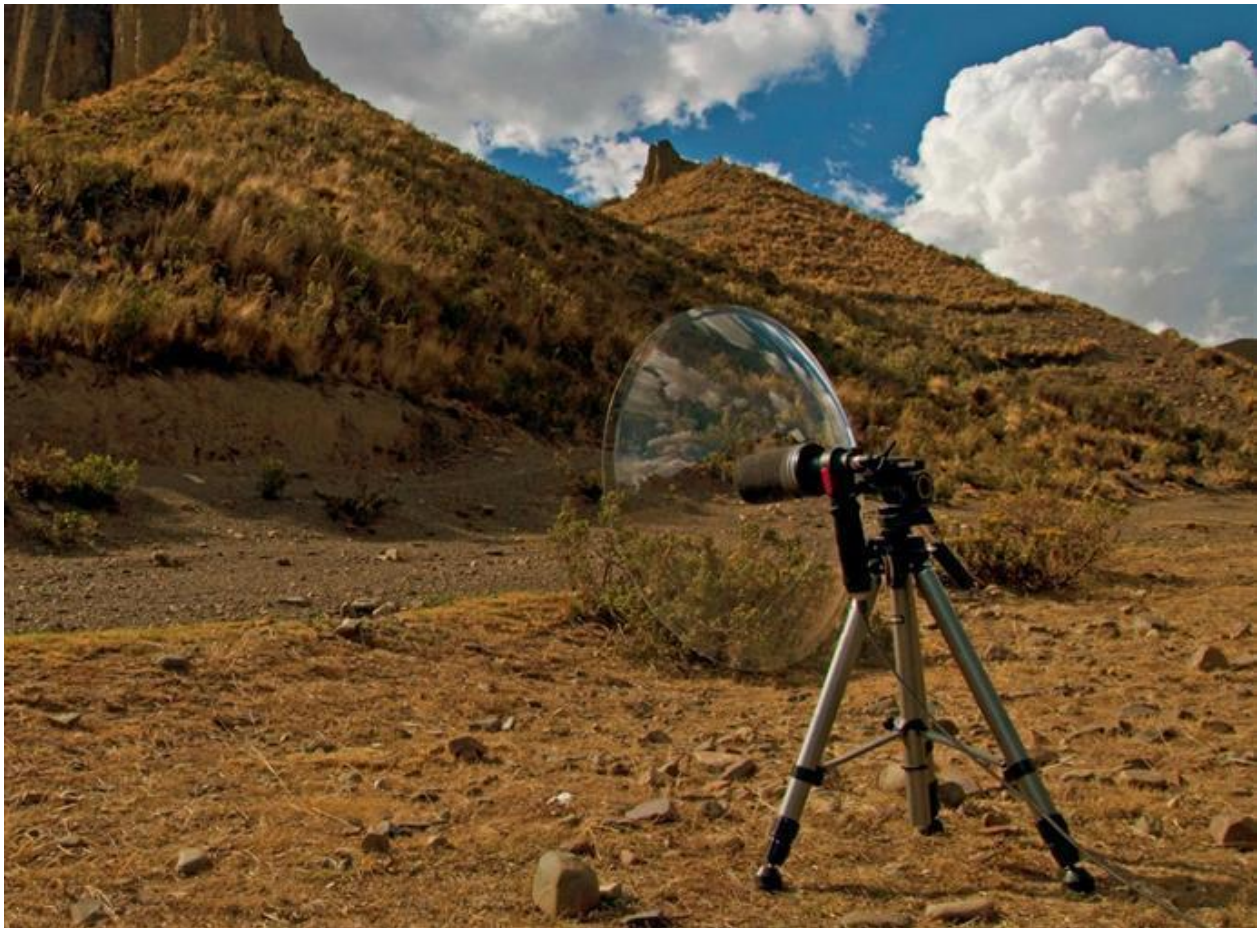




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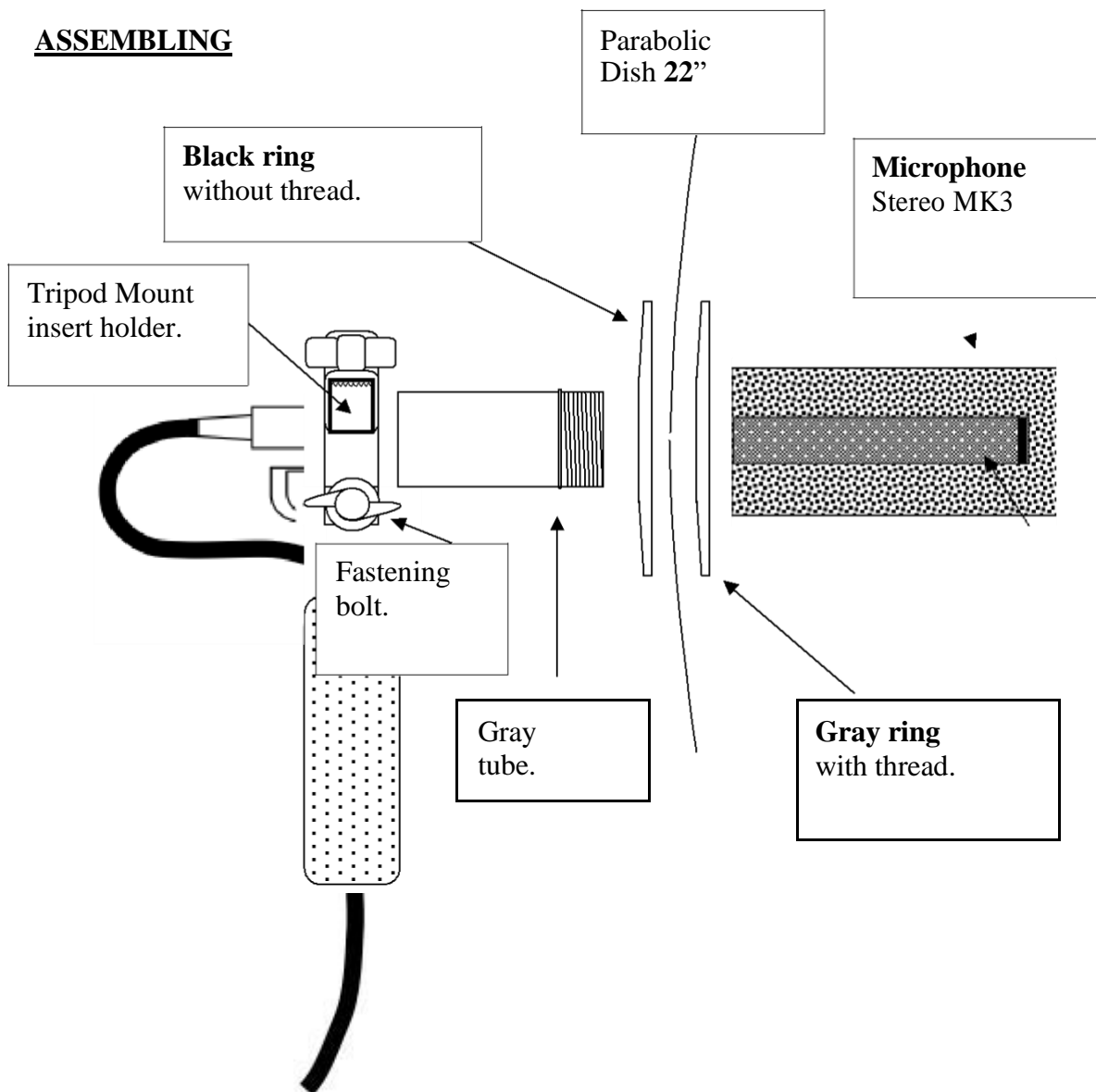
**PRO-9 MK2 / PRO-X System Manual**

## 1.1 Introduction

Thank you for purchasing a Telinga parabolic dish system.

Telinga Microphones, Sweden, started manufacturing parabolic microphones in 1981. The initial goal was to complete the first **portable** parabolic reflector in mono *and* stereo - without using multiple cables or preamplifiers.

All our parabolic dishes with its specially designed microphones are designed to be reliable, light-weight and very easy to use. Great care has been taken to solve the most common problems with parabolas - wind and handling noise, as well as inherent noise from the microphone and amplifiers. Telinga designs are developed in co-operation with researchers in the field of bio-acoustics.



TELINGA Y-CABLE TUCHEL 7- POLE TO 3 PIN XLR (**PRO-9 MK2**) OR 3,5  
MINIJACK CABLE (**PRO-X**) TO YOUR PREAMP MIC INPUT L/R.

## **CAUTION!**

**NEVER CONNECT A TELINGA MICROPHONE DIRECTLY TO A PREAMP SUPPLYING +48V PHANTOM POWER WITHOUT USING THE HANDLE. ALL PARTS ARE DESIGNED FOR THE PARABOLIC DISH ONLY.**

**ALWAYS CONNECT THE STEREO MK3 TO THE TELINGA HANDLE CONNECTING TO YOUR SOUND DEVICE / PREAMP:**

- \* **FOR PRO-9 MK2 ENABLE (+48V) PHANTOM POWER ON YOUR PREAMP / DEVICE.**
- \* **FOR TELINGA PRO-X ENABLE PLUG IN POWER ALSO KNOW AS "PIP".**

## **ASSEMBLING / INSTALLING (AS PICTURE ABOVE)**

**1.** Connect the microphone and it's mounting kit (gray tube with black and gray rings) to the handle, make sure the black and gray rings are positioned so that the back black ring without thread is supporting **behind** the dish, and the gray ring with thread is securing **inside** the dish. **As assembling picture above.**

**IMPORTANT:** Make sure you fasten and secure the rings and tube properly (tight enough) inside the dish and handle, to avoid handling noise! Use the large handle knob to fasten the microphone inside the gray tube. The dish should not be able to move between the gray rings or handling noise will occur. Use a Telinga/or Rycote dish HWC (high wind cover) in windy conditions, or side winds may cause turbulence inside the dish.

**2.** Connect the XLR-connectors (PRO-9 MK2) or your 3,5 minijack connector (PRO-X) going from the bottom of the handle to your mic input preamp. REMEMBER: The cable will always be the weakest link, treat it with love and care!

**3.** Please use quality headphones. For reference we use Beyer DT-990 headphones. Make sure the input and outputs are not set to high: acoustical feedback may occur! **Please only use your Telinga outside.**

**FINISHED.**



## **RECOMMENDED MICROPHONE FOCUS POSITIONS.**

### **Setting up the correct focus is very easy!**

To set the correct focus of your **TELINGA STEREO MICROPHONE** please mount the microphone in the dish with the front of the microphone aligned with the opening of the dish. The transparent 6" round plate of the microphone separating left and right channels should be positioned vertically, not horizontal.

That is the correct position.

The microphone should **NOT** be mounted so that it points outside of the dish.

## **Recommended**

Place a constant sound source, *such as a small FM-radio*, a portable speaker system or such at medium distance 30 meters / 100 feet or so, away from the parabola - now use your Telinga as a "radar", move it side to side and learn how it performs by using your ears!

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(Photo: **POS.2** = middle position, enables LOW CUT)

### **THE TELINGA PRO-9 MK2 HANDLE (ONLY) TOGGLE SWITCH**

#### **POS. 1** "NORMAL" STARTING POSITION / NO FILTERING

Toggle switch positioned **TOWARDS** you. Recommended during light or no wind, and when no traffic noise is audible. At this position you get the full frequency range from the microphone and dish. Stereo = to L/R channels (**Stereo MK3**)

**POS. 2** LOWCUT - "TRAFFIC FILTER" ACTIVE (12 dB/oct 3dB knee at 270 Hz.) Toggle switch set to **MIDDLE** position (photo above) Very effective to avoid heavy wind/or traffic noise. Also great for suppressing handling noise. Stereo = to L/R channels (**Stereo MK3**)

**POS. 3** MONO / LOWCUT - "TRAFFIC FILTER" ACTIVE (12 dB/oct 3dB knee at 270 Hz). **Toggle switch set TOWARDS DISH (LAST POSITION) MONO ENABLED** with both channels connected, lowcut filtering activated. The last position is used for **MONO** with the Stereo MK3 microphone, and with FILTERING ACTIVE.

**REMEMBER:** IF YOU LEAVE THE TOGGLE SWITCH IN LAST POSITION (POS.3) = BOTH CHANNELS ARE CONNECTED IN **MONO (ONLY!)**



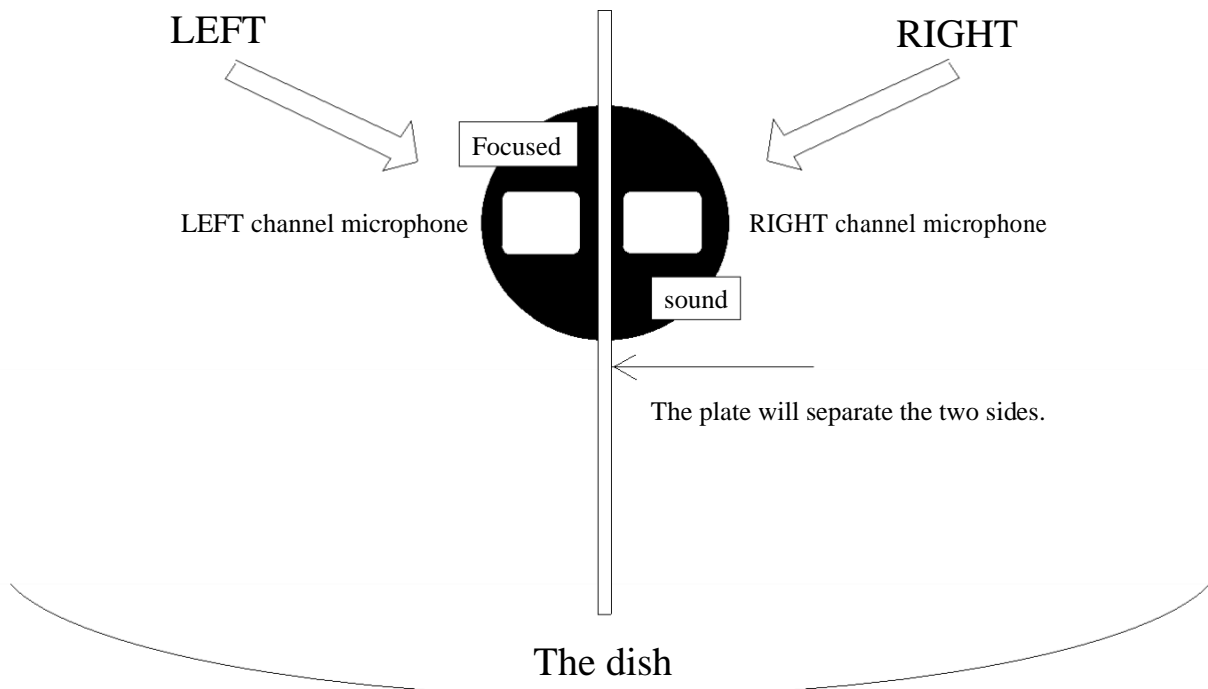
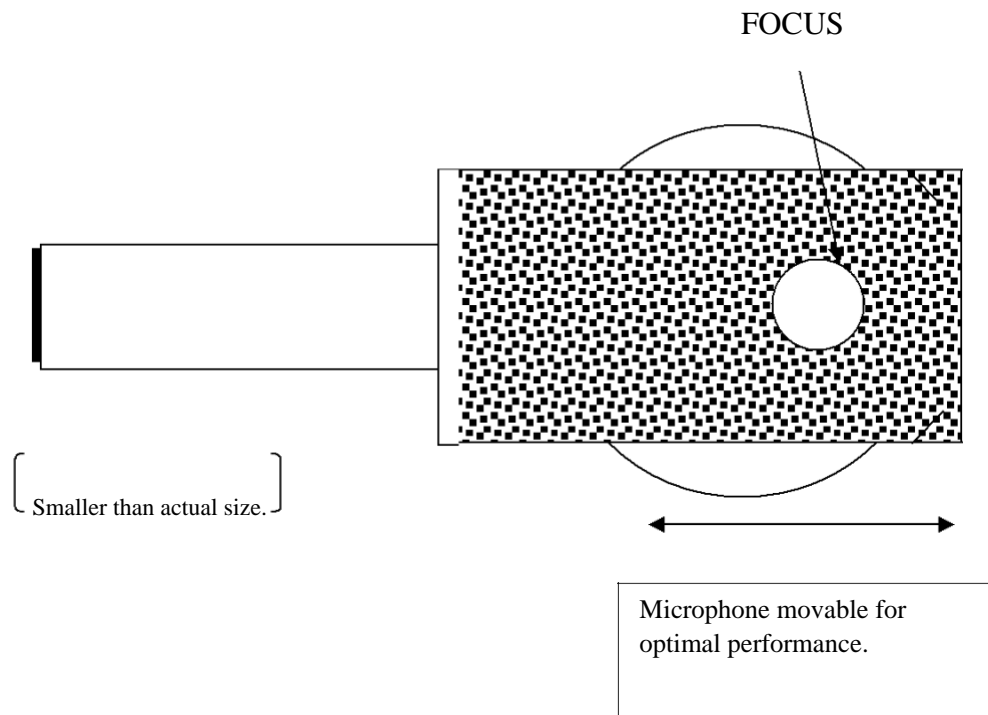
## **TELINGA STEREO MK3 MICROPHONE**

**The Stereo MK3 microphone has an Equivalent Noise Level of aprx. 12 dB(A) only. Thereby, it does great justice to the dynamic range of modern sound preamps and devices.**

The focused sound will be picked up in mono, while the background will be presented in stereo. Handling and wind noise suppression is excellent.

**The over-all sound characteristics of the stereo microphone, is a "soft" high and a "big" and very transparent mid and low.**

The stereo sound resembles the stereo of a "dummy head". There is no "hole" between left and right. When using the parabola, a sound can move from one side to the other without "ping-pong" effects.



**STEREO MK3:** The plate separates the two sides from each other, while the focus from the dish will affect the two microphones equally **Result:** the focused sound will be presented in mono, while the background will be stereo, to L&R channels. NOT M/S! (3 channels)



## **THE FOLDABLE 22" TELINGA DISH**

**The V2 Telinga foldable dish is 22" (57 cm) and weighs only 0.33 kg / 0.72 lbs.** The improved polycarbonate mix offers greater performance and plastic memory. Featuring a gray rim (standard on delivery) allows super easy folding and also protects the dish surface from scratches and dents.

Folding the dish is very easy, and you may fold it over and over again for travelling. Simply use your hands until it is folded together properly (as the above photo) - this so you can place it inside the Soft Case or a Suitcase. The V2 dish comes with 2 years international warranty, so you don't have to be afraid of accidentally breaking it.



## PACKING THE COMPLETE SYSTEM



**Pack your complete Telinga setup with the handle, microphone and cables protected** inside the rolled dish - with some padding in between: a High Wind Cover for example. After travelling the dish will retain it's shape quickly. If you go for longer travels, 8-12 hours (+) where your Telinga is stored inside an airplane as carry on luggage (for example) let the dish rest for some time, **unfolded**, to retain it's shape before using the parabola again.

**Please DO NOT store your Telinga permanently with the dish folded for longer periods of time, when not used. The dish might deform.**

Complete weight including cables is only 1.2 kilo / 2.6 lbs (or less depending on model)



### **ATTACHING THE TELINGA OR RYCOTE DISH HIGH WIND COVER (HWC)**

Turbulence inside a parabolic dish, caused by side winds, can only effectively be reduced by covering the entire opening of a dish. The windshield will also serve as extra protection against rain and prevent insects from buzzing around inside the dish while using the Telinga system. When storing your complete setup inside the **Telinga Soft Case** you may also use it as a good "wrap around" cloth, protecting your microphone further. The **Rycote HWC** offers up to 35 dB in wind noise reduction.



**USING THE (OPTIONAL) TRIPOD MOUNT:** Place the Tripod Mount in the top handle screw, and secure it with the "bridge" of the mount into the handle. Make sure it is fastened properly before attaching it to the stand.



## **IMPORTANT NOTES!**

**CAUTION!** Never point with the parabola and microphone directly towards the sun! The foam might burn or the microphone can be overheated. We recommend using the dish HWC **at all times** to protect the Telinga from humidity, wind and sun.

**DURING FIELD WORK:** Do not leave the Telinga with the microphone and dish facing down into the ground due to risk of condensation. Allow a free air flow.

**THE DISH:** Keep the dish rolled up only when necessary. For storage longer periods of time please keep the dish stored **UN-FOLDED**. If you store the dish **FOLDED** in the **SOFT-CASE** for longer periods of time, it may deform over time! Please leave it unfolded for 48-72 hours to retain shape.

Clean the dish with water and soap. The dish can be polished with car wax. Do NOT use mosquito spray on the dish! The dish is covered with a protective film of synthetic wax. This film can sometimes be visible, but is no error.

**THE HANDLE AND MIC:** On dusty roads, keep in a plastic bag or case. Wipe off now and then with a piece of cloth.

**AFTER USE:** When the Telinga is not used for several days - loosen the screw tightening the handle, and the rings holding the dish.

Contact us for any QUESTIONS / SUPPORT: [info@telinga.com](mailto:info@telinga.com)

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For more information please visit: [www.telinga.com](http://www.telinga.com)

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**TELINGA MICROPHONES 2019.**

**USER NOTES:**