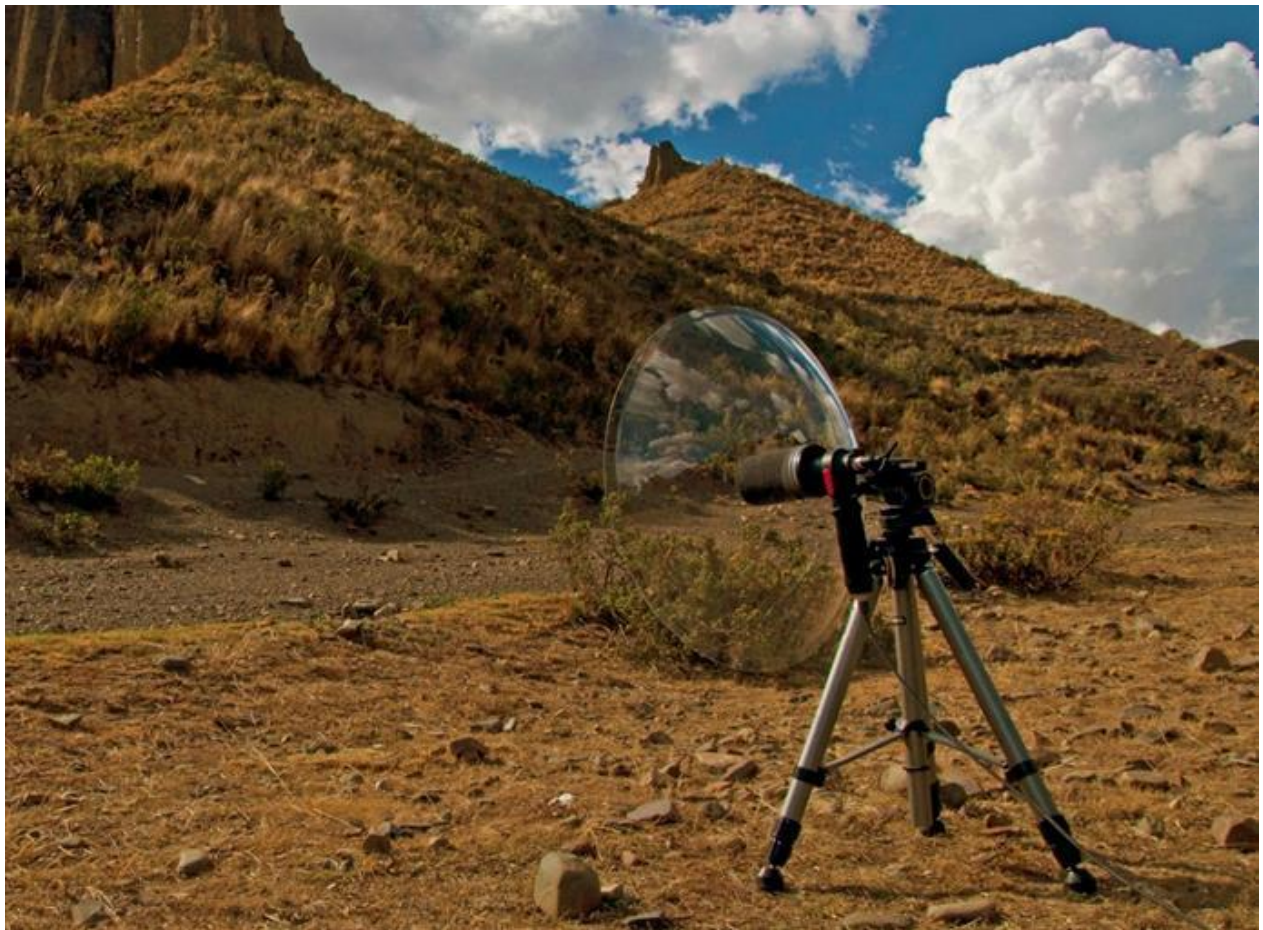




[www.telinga.com](http://www.telinga.com)

V.1.0 INT.



## **PRO-X V.2 System Manual**

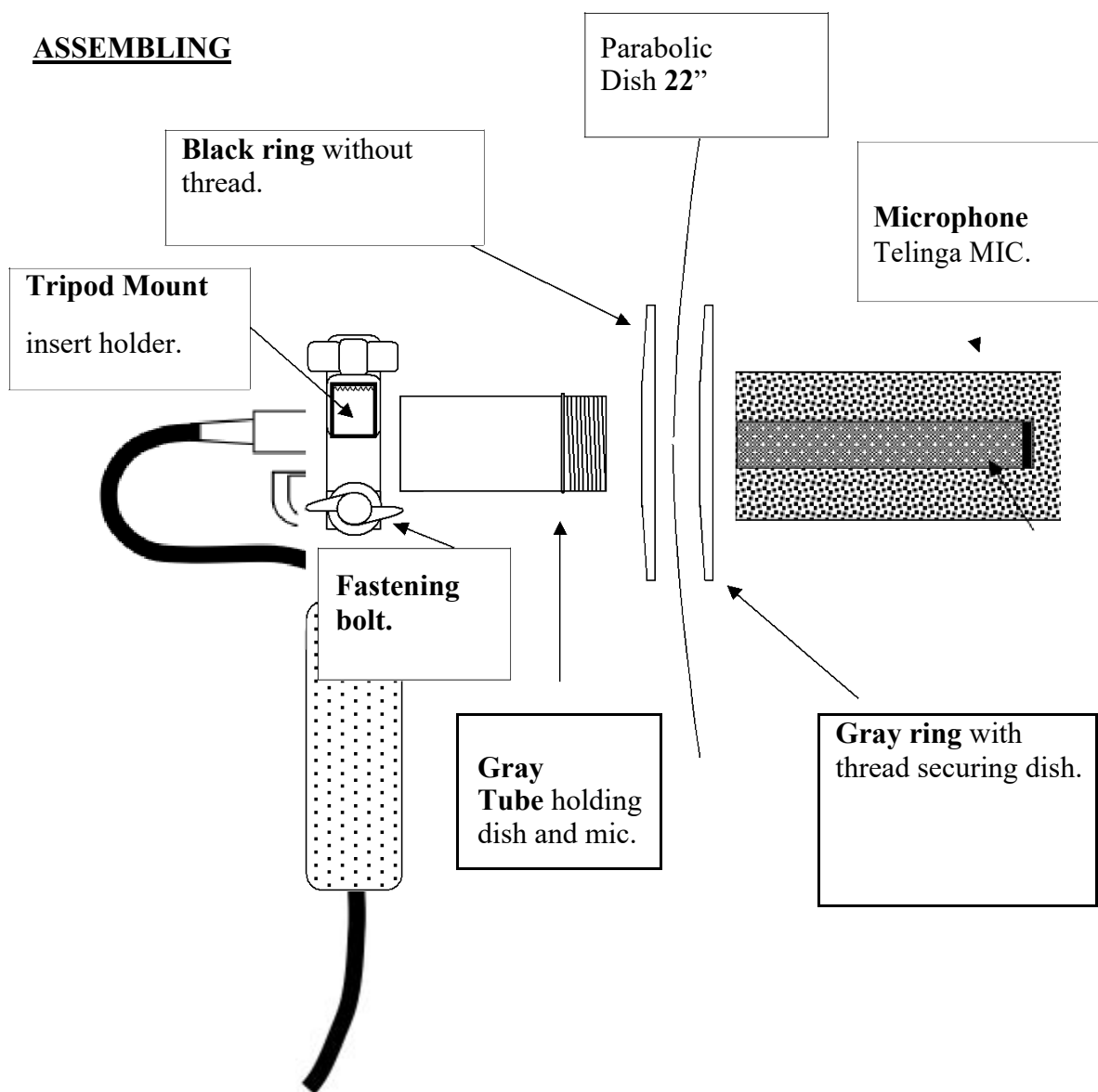
## 1.1 Introduction

**Thank you for purchasing a Telinga parabolic reflector. Please before you use this Telinga read the complete manual.**

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

All our parabolic 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 parabolic dishes - wind and handling noise, as well as inherent noise from the microphone. Telinga designs are developed in co-operation with film makers, ornithologists and researchers in the field of bio-acoustics.

### ASSEMBLING



**TELINGA 3,5 mm Mini-Jack connector (PRO-X) TO MIC INPUT L/R.** Please enable your mic input devices **PLUG -IN POWER (PIP)** to power the Telinga.

## **CAUTION! SAFETY INSTRUCTIONS!**

**PLEASE DO NOT CONNECT A TELINGA PRO-X SYSTEM DIRECTLY TO A MIC INPUT PREAMP OR ANY OTHER DEVICE WITHOUT USING THE HANDLES 3,5 MM MINIJACK ONLY. PLEASE DO NOT CONNECT THE TELINGA PRO-X USING XLR ADAPTERS WITHOUT OUR RECOMMENDATION. A INCORRECT XLR ADAPTER SUPPLYING +48V MIGHT DAMAGE YOUR TELINGA PRO-X! PLEASE ENABLE YOUR DEVICE PLUG IN POWER ALSO KNOWN AS "PIP" ONLY!**

**DO NOT POINT THE TELINGA PARABOLIC DISH DIRECTLY TOWARDS THE SUN, THE FOAM MIGHT BURN. ALWAYS USE THE TELINGA OR RYCOTE TELINGA DISH HWC TO PROTECT THE TELINGA FROM SUNRAYS, FOR EXAMPLE IN STATIONARY (PERMANENT) INSTALLATIONS. Please see:**

**[www.telinga.com/products/accessories/rycote-telinga-dish-hwc/](http://www.telinga.com/products/accessories/rycote-telinga-dish-hwc/)**

**AFTER UNPACKING:** PLEASE DISCARD ALL PACKING BAGS.

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

**1.** Connect the Stereo MK3 and the 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 Stereo MK3 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) when recording in windy conditions, or side winds may cause turbulence inside the dish.

**2.** Connect the 3,5 minijack connector (PRO-X) going from the bottom of the handle to the recorder or preamp microphone inputs. REMEMBER: The cable will always be the weakest link, **treat it with love and care!**

**3.** Connect your quality (!) headphones to your device phones output. For reference we use Beyer DT-990 headphones. Make sure the input and outputs are not set to high: acoustical feedback may occur! Enable the "**REC**" position or "**MONITOR**" with the **+48 V Phantom Power (PRO-9 MK2) or Plug In Power (PRO-X)**  
**ENABLED: ON**

## **FINISHED**



## **RECOMMENDED STEREO MK3 FOCUS POSITIONS.**

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

To set the correct focus of your **TELINGA STEREO MK3** please mount it in the the dish with the front of the black foam aligned with the opening of the dish. The transparent 6" round plate separating left and right channels should be positioned vertically, not horizontal.

That is the correct position.

The Stereo MK3 should **NOT** be mounted so that it points outside of the dish.

## **Recommended**

Place a constant sound source outside, *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!

**NEXT PAGE**



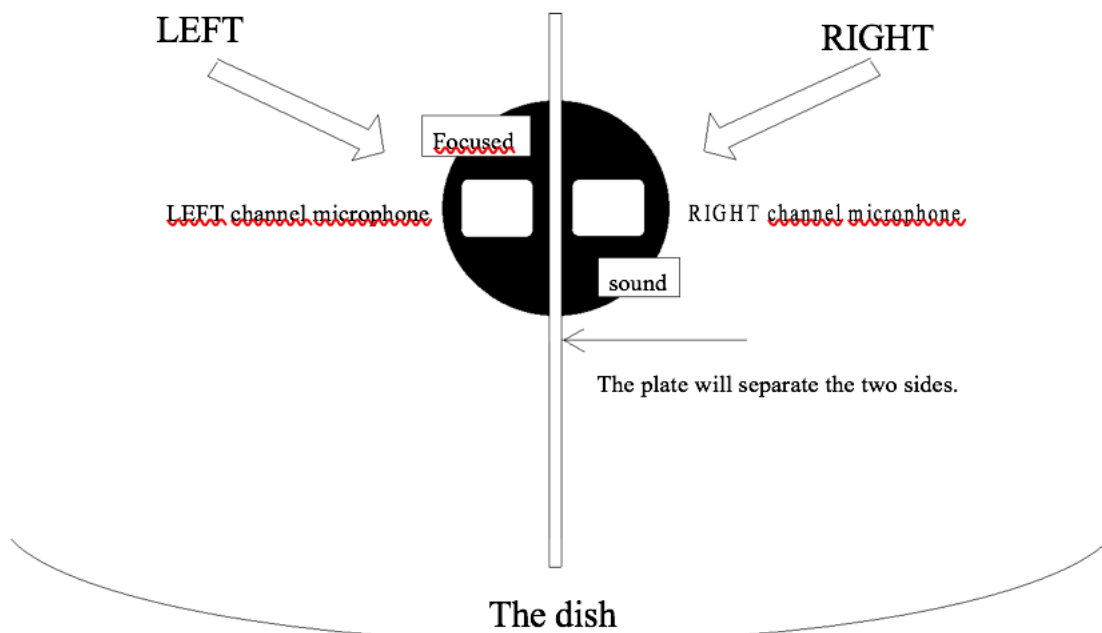
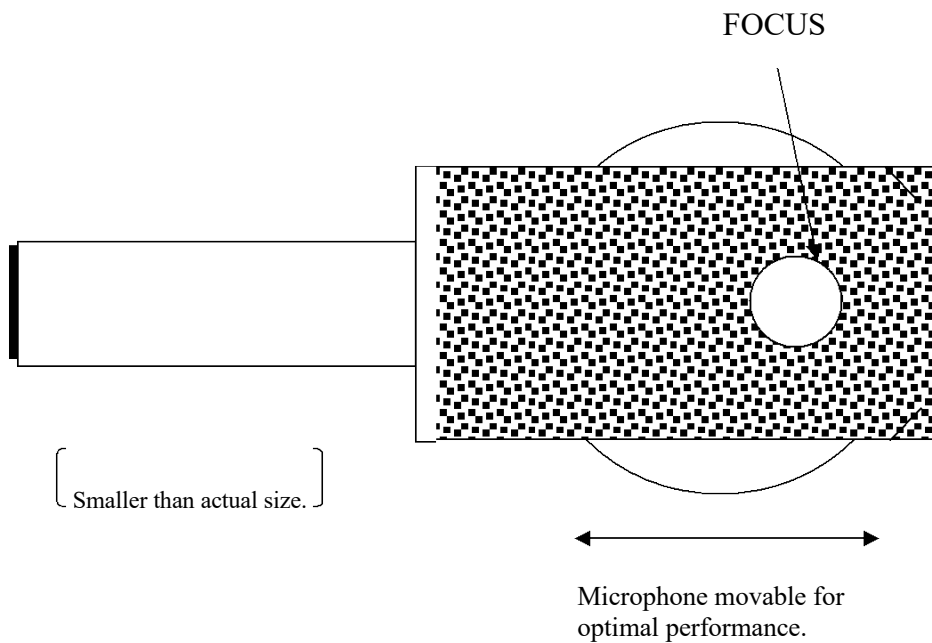
### **TELINGA STEREO MK3**

**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 recorders.**

The focused sound of the dish 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 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 focused sound will affect the two microphones equally **Result:** the focused sound will be recorded mono, while the background will be presented in 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. Compatible with ALL Telinga handles and microphones - including earlier models such as the PRO-5/6/7/8 handles and microphones.

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

**PLEASE NOTE:** YOU CAN ONLY FOLD THE V2 FOLDABLE 22" DISH (STANDARD WITH PRO-9 MK2 AND PRO-X)



**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 recording.

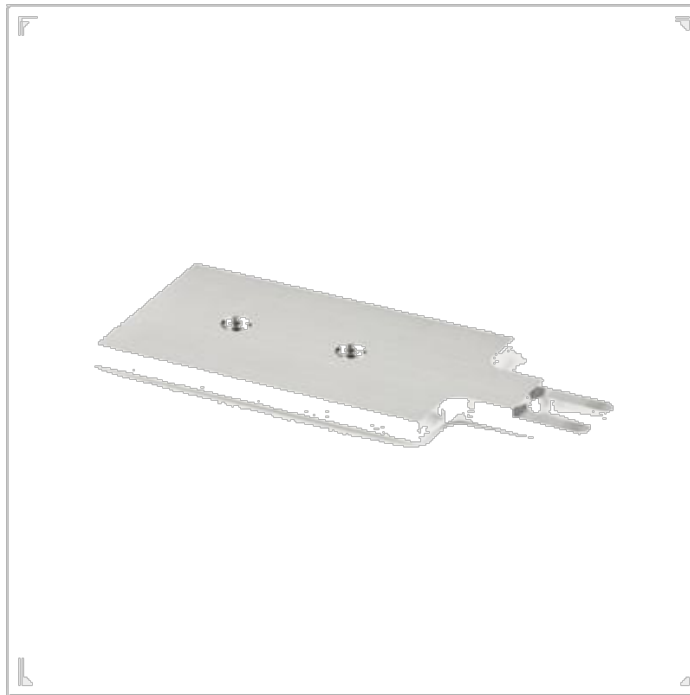
**Please DO NOT store your Telinga permanently with the dish folded for longer periods of time, when not used. The dish might deform.**

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



#### **ATTACHING A (OPTIONAL) 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 recording. 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. Never leave unattended in a sun exposed area without using the Telinga or Rycote Telinga Dish HWC.

**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 HANDLE AND STEREO MK3:** 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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