



TELINGA UNIVERSAL MK2 - QUICK GUIDE / MANUAL

Thank you for purchasing a Telinga Universal MK2 parabolic reflector!

Before using your Telinga, please read the complete manual. We developed this Telinga especially for customers wishing to use their own collection of microphones, such as Sennheiser ME/MKH-series, Schoeps Colette /CMC series, DPA models of choice etc, microphones that are widely used both for field recording, sound design and industry standards in broadcasting.

The Universal "MK2" - New features:

1. Use a pencil style microphone with the mic capsule facing the dish (all cardioids) - or - forward pointing out of the dish – omni microphones only. Omni mics can also be mounted facing the dish, since it may attenuate surrounding sounds further.
- ⚠ It's also possible to mount miniature microphones such as the DPA 4060, for stereo experiments, using the DPA surface mounts (not included) and

a couple of cable ties, this to make up for the long cables. You may for example place one of the DPA 4060 mics inside the Zeppelin holder, and another one at the edge (side) of the dish. This requires some DIY configuration (and some patience) but has proven good results.

^ Adjustable wire length from handle in both directions (1.5 meters)
- allows for many different type of applications without having to use adapters. Pull the wire in any direction to adjust the length from the bottom of the handle to the recorder – and from the top handle to your microphone.

^ When extending the wire from the bottom of the handle to the recorder, start with pushing the wire going from the top of the handle - further into the handle body, and pull it out from the handle bottom until you have the desired length in both directions.

* New adjustable gray cylinder shaped "stopper" – pre attached and easily secured in the tube of the included mounting kit. This to prevent unwanted sounds to travel to the microphone from the back of the dish, especially when using a cardioid mic facing the dish. The cylinder shaped stopper may be placed in vertical/horizontal position of the dish center hole, or at the beginning of the tube, it all depends which microphone and configuration you wish to use. If you are using a longer type of omni microphone, which may be too long to mount facing the dish, you can leave the stopper resting on the Universal wire outside the tube.

TELINGA UNIVERSAL MK2 PACKAGE INCLUDES:

(1) UNIVERSAL MK2 HANDLE INCL. 1.5 METER LENGTH ADJUSTABLE XLR WIRE WITH GOLD PLATED NEUTRIK XLR CONNECTORS.

(1) UNIVERSAL MK2 ZEPPELIN MICROPHONE HOLDER TO MOUNT INSIDE DISH.

(1) MOUNTING KIT HOLDING THE TELINGA (V2) FOLDABLE DISH.

(1) TELINGA (V2) PARABOLIC DISH.

(1) PRE INSTALLED SET OF RED RUBBER MIC HOLDERS LOCATED AT FRONT OF THE ZEPPELIN HOLDER.

IMPORTANT! ONLY USE THE RED RUBBER BANDS LOCATED AT THE FRONT OF THE ZEPPELIN HOLDER WHEN A MICROPHONE IS MOUNTED FACING THE DISH.

OPTIONAL ACCESSORIES: TRIPOD MOUNT, SOFT CASE, RYCOTE TELINGA DISH HWC, TELINGA DISH HWC.



A. MOUNTING THE MICROPHONE INSIDE THE DISH

If you choose to mount your microphone (**OMNI or CARDIOID**) with the microphone capsule **facing** the dish (above photo) you have great wind protection from the beginning - since the large black windshield foam surrounding the Universal MK2 Zeppelin mic holder.

1. After **ASSEMBLING** (FROM THE PHOTOS/PICTURES ABOVE & BELOW) - please proceed and **ADJUST THE WIRE LENGTH** - simply by pulling the wire (to extend it) in any direction, forward or backwards. **IMPORTANT!** This is to make sure you have enough length from the handle to your recorder and microphone without too much bending (and risking causing damage). You don't have to use adapters if you aren't using the Universal MK2 in a stationary installation, far away from your recorder.

2. Adjust the wire from the top of the handle (short end) - and pull it thru the Zeppelin Microphone holder - until you have enough length to connect the **XLR female connector** to the microphone's **XLR male connector**. If you mount a microphone (omni or cardioid) facing the dish - let the wire rest under/beneath the microphone. As long as the microphone is firmly placed in the Telinga Universal Zeppelin Holder the wire should not cause additional handling noise.

When possible we recommend mounting the microphone facing the dish in the Universal Zeppelin Holder - with the help of the red rubber bands (pre-installed) and the black surrounding cellfoam of the Zeppelin holder. If you are using a larger type of microphone, which length is longer than most common modern microphones, and thereby "hanging" out of the back from the holder to some extent, it is recommended to use it in the opposite direction so that the microphone is pointing outwards of the dish. Remember this placement is for **OMNI** microphones only, all **CARDIOIDS** must always be mounted facing the dish.

FINDING THE CORRECT FOCUS

Focus area inside in the Universal MK2/Telinga V2 dish is located at approx. 120 mm (12 cm) measured from the dish center hole and outwards. An easy way to locate it, when using a cardioid or omni microphone facing the dish, is to measure 3 cm from the red rubber bands of the Zeppelin holder front, and inwards towards the dish. This is a very good starting point.

The desired "sweet spot" in the dish depends on which microphone(s) you are using, don't be afraid to experiment, as long as you do not mount a cardioid with the capsule outwards or any of your microphones too far away from the focus globe *see below, there is no "right" or "wrong". The Universal MK2 is designed for you to find your own favorite setups which depends on your current microphone collection - therefore we highly recommend using your ears (with good headphones!) to learn how different microphones work in the Telinga dish.

- ^ The focus globe in the dish is 34 mm (3,4 cm) large @ 10 kHz – therefore you have a large "sweet spot" to place your microphone within before the acoustical amplification will start to drop (microphone out of focus)

Many recordists like to experiment with different microphones for different recording tasks and mark the mics in their collection with coloured tape, this to easily recall where the different microphone "sweet spot" is found in the dish.

All microphones have different characters **REMEMBER: Always - use great headphones with your recorder of choice!**

IMPORTANT: It is highly valuable to learn how your microphone(s) perform in the dish **by using your ears**. All microphones will behave differently *sound wise* when mounted in a parabolic dish. Always record outside, inside there are too many reflections!

A very good practice, is to use a constant sound source such as a small FM-radio, a portable speaker system or such. Place the constant sound source at a shorter to medium distance approx. 20-40 meters, 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 and input meters of your recorder (optional).

LET'S START RECORDING!

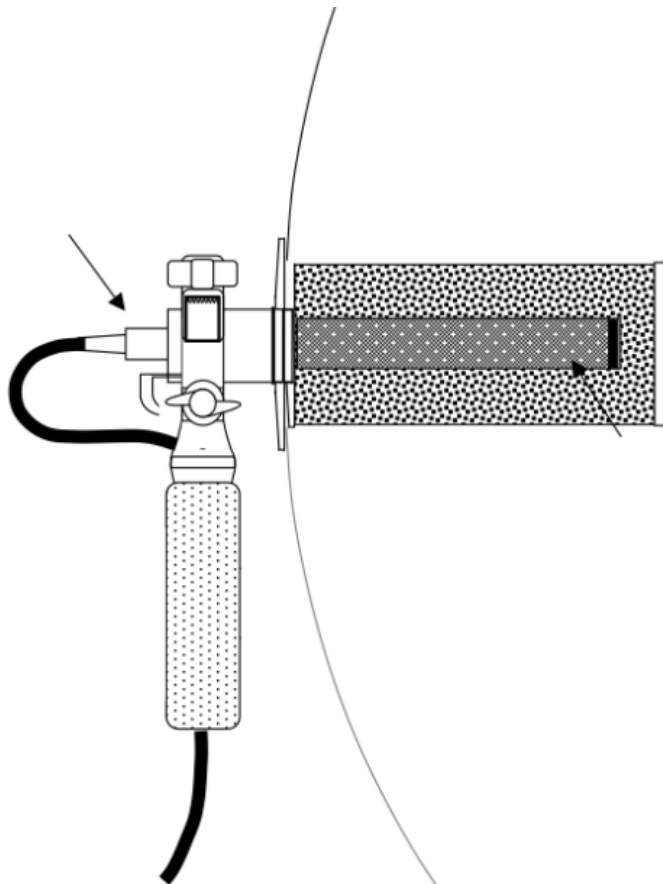
The Universal MK2 is ready to connect to your (1) microphone and recorder (supplying XLR and +48v Phantom Power) straight out of the box - and you don't need any extra cables or batteries. The complete assembling procedure is done within minutes, and you don't need to perform any of the installation setup by using tools or such. If you wish to bring several different microphones, you may easily switch between them, on location, in matter of seconds, after some training.

Complete with the **Telinga (V2) Foldable Dish** the Universal kit is very lightweight and easily packed inside the green **Telinga Soft Case** (optional) for traveling (less then 1.2 kg / 2.5 Lbs)

To start recording simply connect the Universal MK2 handle male XLR connector from the bottom of the handle wire - to the XLR female connector input of your **recorder**. From the top of your Universal MK2 handle - connect the other end of the handles wire (the XLR female connector) to the **microphone** male XLR connector - with the wire running thru the Zeppelin holder. Make sure your recorder's **Phantom Power (+48v) is turned ON**.

Adjust the length accordingly, place and secure the gray "stopper" located at the handle (if necessary) inside the gray tube. **Make sure everything is fastened and secured correctly! This to make sure you will have minimum handling noise while recording and moving the parabola.**

BELOW: USING AN OMNI (LONGER LENGTH) MICROPHONE FORWARD SUCH AS SENNHEISER ME-62 /K6 OR SCHOEPS COLETTE / CMC SERIES OMNI (or similar).



ATTACHING A RYCOTE HI-WIND COVER (OPTIONAL)



Photo: Telinga V2 dish with the **Rycote Telinga Dish HWC (optional)**

PLACING THE TELINGA UNIVERSAL ON A TRIPOD STAND



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 top handle screw. Make sure it is fastened properly before attaching it to the stand, as the photo above.



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FOLDING THE TELINGA DISH

The Telinga (V2) 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. 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 traveling. Simply use your hands until it is folded together properly (as the above photo) - this so you can place it inside the Soft Case. The V2 dish comes with 2 years international warranty, so you don't have to be afraid to break it!

PACKING THE COMPLETE SYSTEM

PLEASE NOTE:

YOU CAN ONLY FOLD THE TELINGA V2 FOLDABLE DISH.



Pack your complete Telinga setup with the handle, microphone and cables protected inside the rolled dish - with some padding (or cloth) in between. After travelling the dish will retain its shape quickly. If you plan for longer travels, 8-12 hours + where your Telinga is stored for example inside an airplane, let the dish rest for some time, unfolded, to retain its shape. Please do not use the Soft Case only when checking in your Telinga as luggage on an airplane, then use a hard case of choice. **Please do not store your Telinga dish folded for longer periods of time, when not used. The dish might deform. If this happens, please let the dish rest on a flat surface (unfolded) until it retains shape.**

Complete weight for travelling is maximum 1.2 kilo / 2.6 lbs (or less depending on model)

IMPORTANT NOTES!

CAUTION! Never point your Telinga Universal dish directly towards the sun! The foam might burn! Do not leave your Telinga unattended in sun exposed areas such as a car. The Universal MK2 is designed for outdoor use, inside acoustical feedback may occur.

DURING FIELD WORK: Do not leave the Telinga with your 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 (weeks or months) it may deform heavily. After longer travels, please leave it unfolded for 24-48 hours to regain shape.

CARE: 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 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

MADE IN SWEDEN by Telinga Microphones, Botarbo 129, S-74896 Tobo, Sweden. Phone nr: + 46 (0) 702 979 979.



For more information please visit: www.telinga.com

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Errors and omissions excepted.