

ORTF-3D OUTDOOR SET WINDSHIELD WITH RAIN COVER OR FUR

SETUP GUIDE



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1. VERSIONS OF THE ORTF-3D WINDSHIELD

- a. Hanging Version: blue holders.
- b. Stand Version: green holders.

The two versions need completely different rain covers and furs.



Hanging Version



Stand Version

2. REMOVING THE TRANSPORT LOCK

The ORTF-3D windshield is often shipped with a foam ball transport lock ("Transportschutz") installed, as this prevents damage in (long overseas) shipping in which the elastic suspensions may be overly stressed.

The transport lock must be removed before use!

1. Remove fur or rain cover, if installed, see below



2. Remove black fabric cover



3. Carefully open the lid and ...



4. remove the foam



5. close the lid and reinstall the black fabric

6. Reinstall fur or rain cover, if desired, see below.

3. WINDSHIELD WITH RAIN COVER

The ORTF-3D setups are shipped with a fur *or* a rain shield installed.

The rain shield optimally dampens the noise of the raindrops hitting the surface by a thick, open-cell foam layer. The open-foam design optimally ensures acoustic transparency.

A rubber layer (hanging version only) on the top of the setup avoids the penetration of water into the cable through-hole of the windshield.

There are two layers of a black fabric cover below the rain protection around the whole setup which is treated with hydrophobic spray so that the raindrops roll off the fabric.

Important: The heating of the ORTF-3D setup should be on *all time* to dry out the fabric, but at least two hours before use. It is recommended to check the wetness of the setup regularly when installed permanently.



Rubber layer (only for hanging version)



Ready-to-use windshield with rain cover (hanging version)



Open rain cover (stand version)



Ready-to-use windshield with rain cover (stand version)

4. WINDSHIELD WITH FUR*

The wind protection of the rain cover is good. However, the wind protection of the optional long hair fur is significantly better.

The fur is included in the shipment. If *high wind*, but *no rain* is expected in an arena, the fur should be installed instead of the rain shield.

Note that due to the output hole the windshield with fur cannot withstand rain. Note also that wet fur will result in a high attenuation of high frequencies.



Ready-to-use windshield with fur (hanging version)



Ready-to-use windshield with fur (stand version)

*fake fur

5. CONNECTION OF THE WINDSHIELD

- If rain cover is installed: To connect the setup, open the top foam lid (hanging version only) on one side by opening the velcros. The metallic mounting cylinder with the eye bolts does *not* need to be uninstalled. Lift the black rubber.



Open the top lid



Lift the black rubber

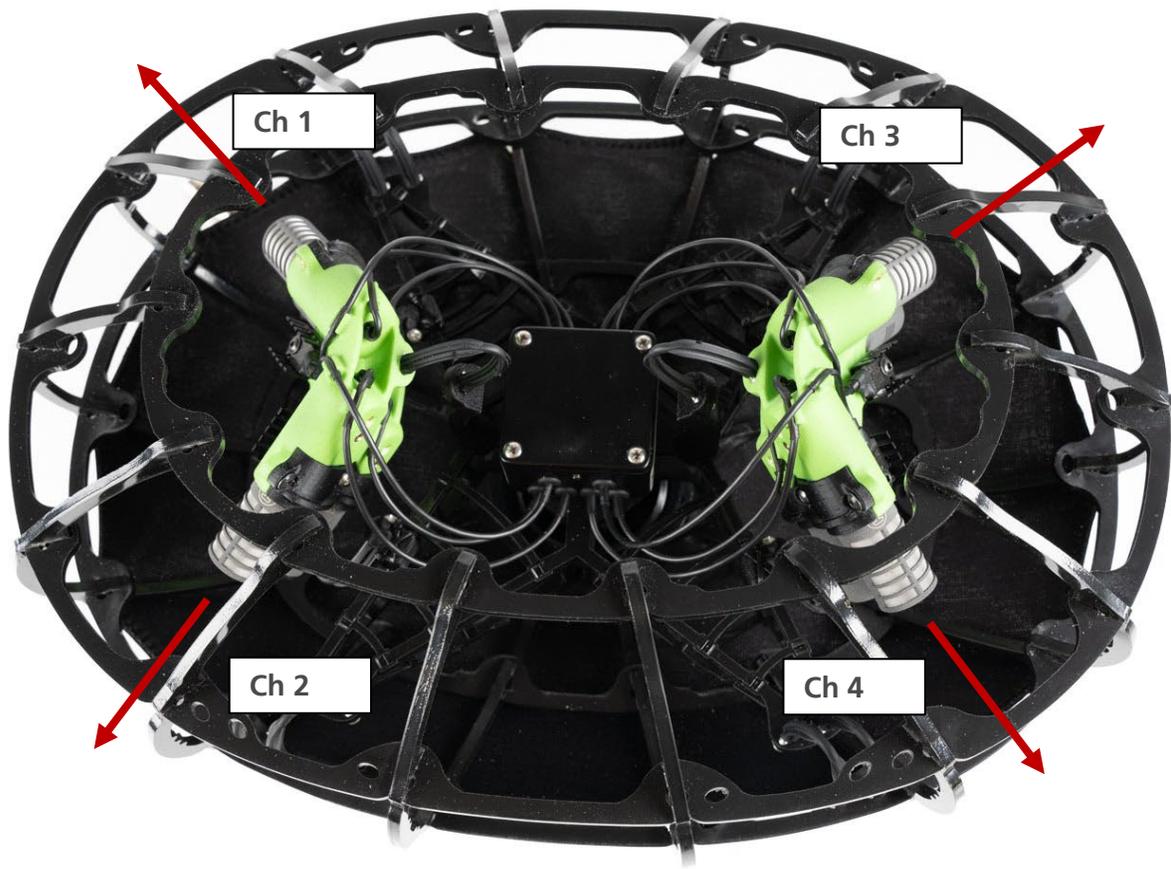
- Connect the two Multipin connectors of the windshield to the two multicore breakout cables.
There are **two different** breakout cables:
 - One breakout cable has 4 XLR outlets
 - The other breakout cable has 4 XLR outlets **plus the connector for the heating**.
Connect this breakout cable to the cable outlet which is marked "heating"; see picture below.
 - For the correct channel allocations, remember which breakout cable was connected to the cable outlets marked "Top" (ch 5-8) and "bottom" (ch 1-4).



Protect the connected plugs by putting them into the sleeve (if existing)

6. ORIENTATION OF THE WINDSHIELD

The *front of the setup* is marked by a label on the cable. Orient the windshield in the direction of this cable outlet.



7. CHANNEL ALLOCATIONS

The following table shows the channel allocations.

Hanging version only: Note for the microphones to be oriented correctly, the setup must be hanging!

The cable outlets of the windshield are marked "Top" and "Bottom" corresponding to the two layers of the ORTF-3D technique.



4ch Multicore breakout cable

CHANNEL ALLOCATIONS OF THE ORTF-3D SETUP

Channel #	Labelling on the cable outlet and the Multicore breakout cable	Channel routing only valid if small side is front and windshield is hanging
1	Bottom layer: Ch 1 (L) – Yellow	L (LEFT)
2	Bottom layer: Ch 2 (R) – Red	R (RIGHT)
3	Bottom layer: Ch 3 (LS) – Blue	LS (LEFT SURROUND)
4	Bottom layer: Ch 4 (RS) – Green	RS (RIGHT SURROUND)
5	Top layer: Ch 1 (L) – Yellow	LTF (LEFT TOP FRONT)
6	Top layer: Ch 2 (R) – Red	RTF (RIGHT TOP FRONT)
7	Top layer: Ch 3 (LS) – Blue	LTR (LEFT TOP REAR)
8	Top layer: Ch 4 (RS) – Green	RTR (RIGHT TOP REAR)

8. INSTALLING / UNINSTALLING THE FUR*

This step-by-step instruction explains how the fur can be uninstalled.
(Pictures show the ORTF-3D-hanging version, differences apply to other versions)



1. Open the buttons on the fur

2. Open the fur

*fake fur



3. Take the windshield out



Ready to use

9. INSTALLING / UNINSTALLING THE RAIN COVER (HANGING VERSION)



1. Prepare the rain cover



2. Put in the windshield





3. Lead the cables through the central hole in the rain cover



4. Close the velcros





5. Now the ropes should be installed, if used



6. Install the rubber layer





7. Close the top lid



8. Close the velcros



Ready to use



Ready to use (with ropes)