

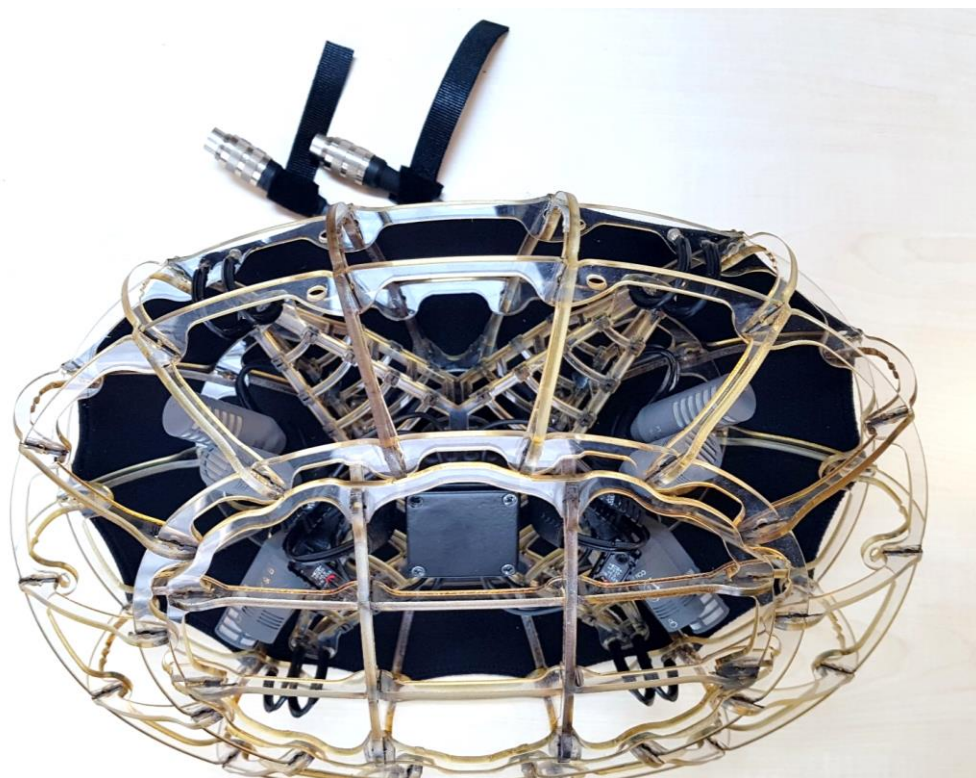
ORTF-3D Windshield with Rain Cover or Fur

Setup Guide, 14.01.2020

For any questions, please refer to support@schoeps

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1. Removing the transport lock

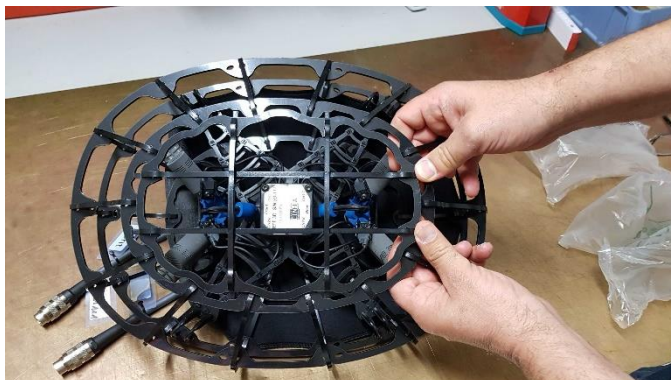
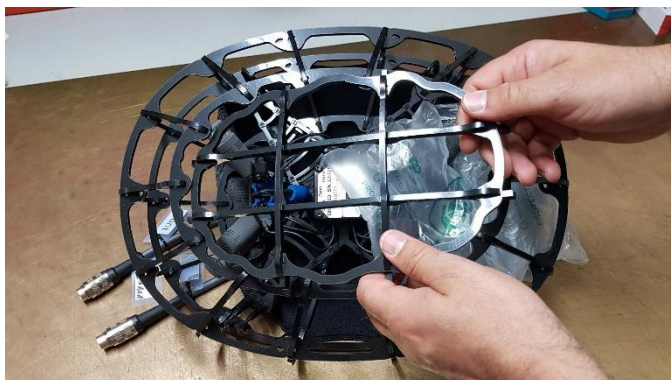
The ORTF-3D windshield is often shipped with a foam ball transport lock ("Transportschutz") installed, as this prevents from damages in long oversea shipping when the elastic suspensions are overly stressed.



The transport lock must be removed before use!

How to remove the transport lock:

- a) Remove fur or rains cover, see chapter 7 below.
- b) Carefully remove the spherical foam balls
- c) Close the lid and reinstall the fur or rain cover



2. 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 on the top of the setup avoids the penetration of water into 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 rain drops 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 regularly check the wetness of the setup when installed permanently.



3. Windshield with Fur

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

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

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



4. Connection of the windshield

If rain cover is installed: To connect the setup, open the top foam lid 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.



Now, connect the two Multipin connectors of the windshield to the two multicore breakout cables.

Take care, 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 with "heating". See picture on the right.
- For the correct channel allocation, remember which breakout cable was connected to the cable outlets marked with "Top" (ch 5-8) and "bottom" (ch 1-4).

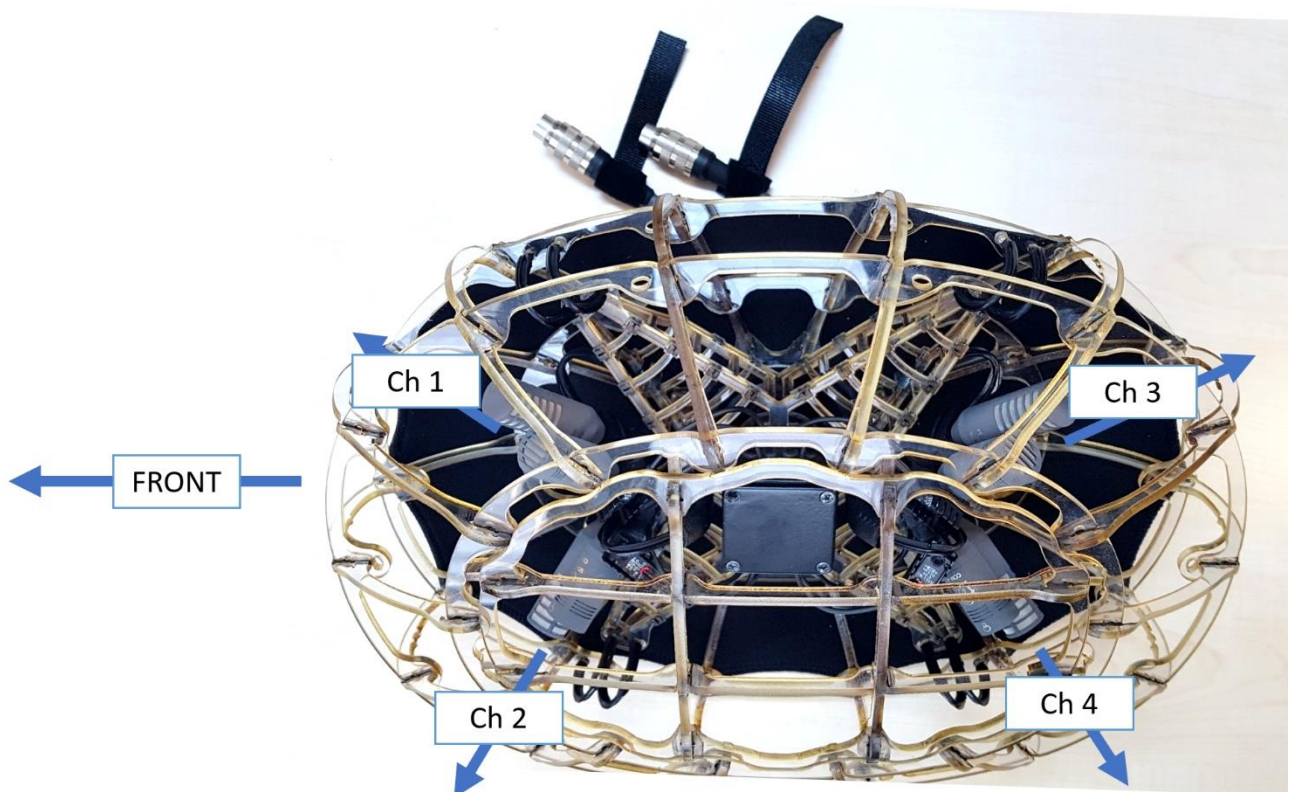


Protect the connected plugs by putting them into the sleeve (if existing).



5. 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.



6. Channel allocation

The following table shows the channel allocation. Note that the setup **must** hang for the right orientation of the microphones!

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



4ch Multicore breakout cable

Channel Allocation 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
2	Bottom layer: Ch 2 (R) – Red	R
3	Bottom layer: Ch 3 (Ls) – Blue	LS
4	Bottom layer: Ch 4 (Rs) – Green	RS
5	Top layer: Ch 1 (L) – Yellow	Lh
6	Top layer: Ch 2 (R) – Red	Rh
7	Top layer: Ch 3 (LS) – Blue	LSh
8	Top layer: Ch 4 (RS) – Green	RSh

7. Changing from Fur to Rain Cover

This step-by-step instruction explains how the fur can be replaced by the rain protection.

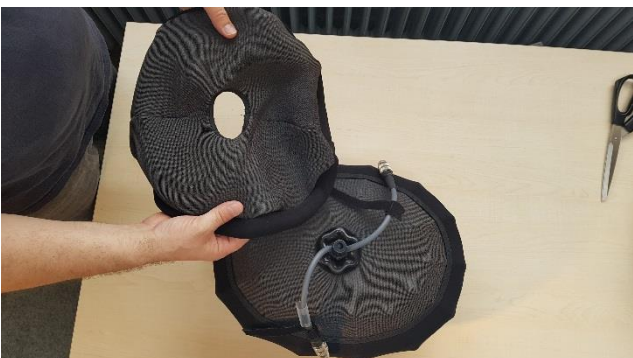
Step 1: Unscrew the eye bolts



Step 2: Open the fur:



Step 3: Install the black fabric with the hole for the cables (rain protection)



Step 4: Pull the windshield into the rain cover, take care of the correct orientation:



Step 5: Close the Velcros:



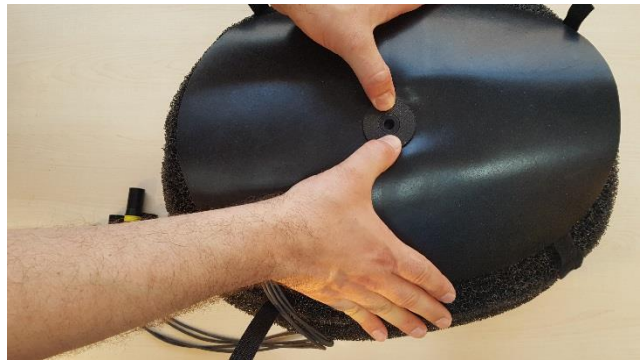
Step 6: Before installing the black rubber lid, tighten the connectors with the Velcros in the middle:



Step 7: Connect the Multicores. Remember which Multicore connects to the Lower channel connector and which to the upper channel connector.



Step 8: Install the black rubber lid:



Step 9: Install the rain cover cap:



Step 10: Install the metallic mounting cylinder and tighten the counter nut:

