

Double IRT-cross



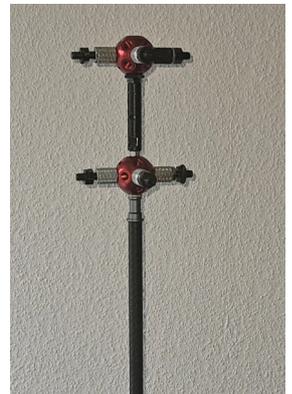
We start with one red ball on top of a lighting tripod. It could be a solid mic-stand as well.

On top of that we screw a male/male 3/8" thread adapter into a 10 cm pipe and another red ball on top of it. This is the base of our Double IRT-cross



Now we prepare the connections for the microphone clamps. We screw in the eight 2 cm extensions. In every layer there are four such extensions and you should tighten them good, but not too much.

In all of the 2 cm extensions you will screw a male/male 3/8" thread adapter. Make sure, you have the nuts being on the outer thread, so it will be easier to fasten the microphone clamps later on.



Now we fix all the clamps on the male/male 3/8" thread adapters.

Make sure the clamps are fixed like shown here. The upper clamps are pointing about 45° upward and the clamps of the lower layer are pointing 45° downward. This may look different, depending of the microphone clamps you use.

The microphones have been added and they are pointing upward and downward. Don't put too much effort into the positioning yet. Just a rough guess.



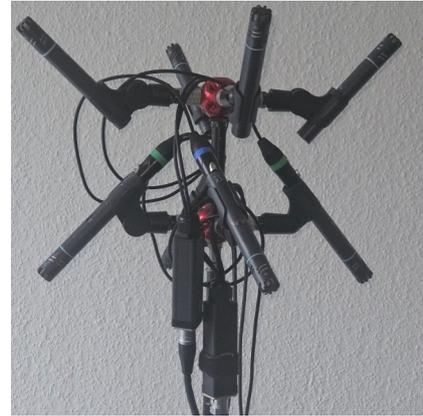
We are using the female XLR -> RJ 49 Cat 6e adapter. If you group each layer into one multi-core or if you choose a different setup doesn't matter. It's completely up to you.

We have the red and yellow connectors for the upper layer („sun rise“ and „sun“) and the green and blue ones for the lower layer („grass“ and „water“), You may also use common XLR microphone cables. Just as you prefer.



This is just the lower layer connected to the multicores. The color selection is completely at your convenience.

Keep an eye on the RJ49 connectors and fix the to the stand with velcor or something similar.



Here we have a completely wired double IRT-cross. Now it's time to fix the positions. Make sure ALL capsules are 25 cm away from each other and the angles between the upper and lower microphones are 90°. A piece of paper may come in pretty handy.

Here we have it with some foam wind protection.

This may look different on the wind protection you use.



This is for demonstration purpose merely.

When you are out in the field, we highly recommend stronger wind protection gear. This is for no or almost no wind.

Here we have an overview of the gear used. It does not contain the recorders and their batteries as this may vary. If you can't get the shown gear or not all of it, don't worry and find an appropriate substitution. - Have and and happy recording.

