

## ORTF Surround – an “IRT-Cross” setup



*ORTF Surround setup*



*K Surround 5 M4U extension cable;  
5 meters long, multipin / 4x XLR-3M*

### ORTF Surround for Surround Ambience Recording

- Plug and Play solution for Surround Ambience
- optimal imaging characteristics like those of the “IRT Cross”: good 360° imaging with a pleasant, natural-sounding spatial impression
- uses four SCHOEPS CCM 41 L supercardioids
- in future available as a complete system
- Applications: Sporting events, film sound, etc.

The “ORTF Surround” recording method is a new system for the pickup of surround ambience. This microphone arrangement and its sonic characteristics are quite similar to those of the well-known “IRT Cross” designed by Günther Theile. Both the 360° imaging and the spatial impression are of optimal quality. This is achieved with a high degree of signal separation among channels, based both on arrival-time differences and level differences.

The ORTF Surround arrangement has been designed so that the entire arrangement can be conveniently mounted in a single elastic suspension, and - in future - share a single windscreen.

It differs from the IRT Cross arrangement by being rectangular rather than square. Its pickup regions are correctly apportioned through careful choice of the angles and distances among the microphones.

The ORTF Surround Set is a “plug and play” solution for surround ambience. It comprises:

- four CCM 41 L compact microphones
- a four-way “ORTF Surround Bar” terminated with a Neutrik multi-pin connector
- an elastic suspension (Rycote Invision)
- a 5-meter, four-way multi-core cable terminated with 4 x XLR-3M.

When working indoors, the ORTF Surround Set can be used without the windscreen. If a moderate degree of wind protection should be required, a SCHOEPS B 5 D foam windscreen can be placed over each microphone separately.

Weight:  
setup with elastic suspension only: 410 g

Dimensions (mm): 150 x 102 x 43