

# Telcom

active telephone hybrid



## What is a Telephone hybrid?

Telephone hybrids provide the interface between professional audio equipment and the public telephone network. They provide protection for your equipment and the public telephone lines, allowing for varying line signals and line conditions. Automatically cancelling out the unwanted signal they also facilitate two-way communication down a single telephone line. Each hybrid has a telephone line connection, a handset connection and separate connectors for audio input and output from a broadcast mixer, or other professional audio source.

A large proportion of D&R hybrids are used in radio and television broadcasting applications allowing external callers to be connected to the studio mixing console.

Most of the other units are supplied to communication operations allowing extremely effective conversion between 4-wire audio circuits and standard telephone lines.

The Telcom Hybrid does not need external power and can be used anywhere, powered from the telephone line, it also has an internal compressor that compensates for line level differences.

## AUDIO PROGRAM IN AND OUT

Connectors	: Jack stereo 6.3mm and Cinch connectors
Input impedance	: 5kOhm (transformer balanced)
Output level	: -40 up to +6 dBu
Output impedance	: 2kOhm (transformer balanced)
Noise on Receive output	: less than -82dB (A weighted)

## GENERAL DATA

Power supply	: Powered by telephone line
Dimensions	: Front 240x141mm, Depth 110mm
Weight	: 725grams

## LINE INTERFACE

Connector	: RJ11
Nominal input level	: -6dBu
Nominal output level	: 6dBu
Compensation Mode	: fully electronic*
Impedance	: 600 Ohm



Smart in Solutions



D&R Electronica Weesp BV | Rijnkade 15B | 1382GS Weesp | The Netherlands  
Phone: +31 (0) 294 418014 | Fax: +31 (0) 294 416987 | Mail: [info@d-r.nl](mailto:info@d-r.nl) | Website: [www.d-r.nl](http://www.d-r.nl)