

# MULTICOUPLER 8:1

## MULTICOUPLER VHF / UHF

The ARS multicoupler allows groups of up to eight receivers to be connected to a single antenna. The multicoupler is equipped with a low noise amplifier (LNA) perfectly integrated with a high selectivity and low loss filter, then allowing greater sensitivity and better attenuation of noise and interfering signals.

A digital display indicates the internal voltage and current of the LNA. The multicoupler, used in conjunction with ARS fixed antennas, allows to reduce the cost of renting space on the towers, the cost of antennas, the cost of coaxial cables, connectors and supports, in addition reducing the mechanical load on the tower and the time of installation.



Partnumber	Model	Range
545088	MULTICOUPLER 8:1 UHF	430 / 470 MHz
545123	MULTICOUPLER 8:1 VHF	148 / 162 MHz
545125	MULTICOUPLER 8:1 VHF	160 / 174 MHz

ELECTRICAL SPECIFICATIONS	
RX input/output ports	1 input port / 8 RX output ports
Input/output impedance	50 $\Omega$
Connectors	Input (N female ) and Output ( BNC female)
Noise figure	2,5 dB
Minimum gain	9 dB
Isolation between signal output ports	> 20 dB
Supply voltage	110 / 200 VCA (bi-volt)

MECHANICAL SPECIFICATIONS	
Weight of the set	3,800 Kg
Default installation location	19" rack
Dimensions ( H x W x L )	88 x 482 x 249 mm
Rack occupancy	2 Us
Operation temperature	0~60°C