

COMBINER 4:1

COMPACT COMBINERS

THE ARS COMPACT COMBINER allows you to combine up to 4 VHF or UHF repeaters into just two antennas, one for transmission and one for reception.

Upon request, a system with a built-in duplexer can be supplied, resulting in just a single antenna for up to 4 repeaters.

Our combiner is equipped with a low-noise reception amplifier perfectly integrated with a high-selectivity, low-loss filter, allowing greater sensitivity and maximum suppression of noise and interfering signals.

The product also has a high-speed coaxial transient (surge protector) suppressor at the antenna input to protect the repeaters against atmospheric electrostatic discharges.

Used in conjunction with ARS fixed antennas, it allows to reduce the cost of renting space on the towers, the cost of antennas, the cost of coaxial cables, connectors, supports and labor in addition to reducing the mechanical load on the tower, then allowing to save space for other repeaters.



Partnumber	Model	Range
525012	COMBINADOR 4:1	148 / 174 MHz
525029	COMBINADOR 4:1	360 / 400 MHz
525032	COMBINADOR 4:1	430 / 470 MHz
525008	COMBINADOR 4:1	485 / 510 MHz
525044	COMBINADOR 4:1	806 / 960 MHz

ELECTRICAL SPECIFICATIONS	
Maximum number of channels	4
Typical Tx attenuation	6,8 dB
Typical gain Rx	4,2 dB
Maximum power Tx	100 Watts
Impedance	50 Ω
VSWR	$\leq 1,2:1$
Bivolt source	90VCA to 240VCA < 200mA

MECHANICAL SPECIFICATIONS	
Weight of the set	14,100 Kg
Default installation location	Rack 19"
Rack dimensions (H x W x L)	180 x 480 x 380 mm
Temperature	0~60°C