

8" VHF TX COMBINER

COMBINERS

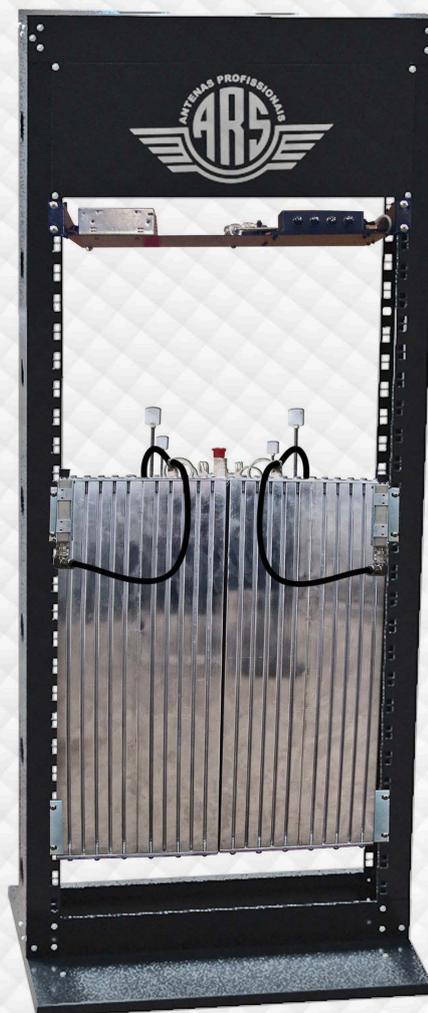
ARS low-loss combiner allows you to combine up to 4 VHF transmitters on 1 antenna or up to 8 on two antennas.

The system is supplied with an ARS reception multi-coupler that allows up to 8 VHF receivers to be combined into the same antenna. (Optional)

The multi-coupler is equipped with a low-noise amplifier perfectly integrated with a high-selectivity, low-loss filter, thus allowing greater sensitivity and better attenuation of noise and interfering signals. (Optional)

The system used in conjunction with the antennas fixed ARS, allows to reduce the cost of renting space in the towers, the cost of antennas, the cost of coaxial cables, connectors and supports, in addition to reducing the mechanical load on the tower.

As it is modular, the system can be expanded with standardized modules, thus allowing the inclusion of new repeaters.



Partnumber	Model	Range
525011	COMBINADOR 4:1 TX 8"	148 / 174 MHz

MECHANICAL SPECIFICATIONS	
Weight of the set	45 Kg (approx. for 4:1 systems)
Installation pattern	19" rack
Dimensions on rack (optional) (H x W x L)	1770 x 520 x 580 mm
Dimensions product only (H x W x L)	650 x 520 x 580 mm
Temperature	0-60°C

ELECTRICAL SPECIFICATIONS	
Ingress power per channel	150 Watts
Nominal impedance	50 Ω
VSWR	≤ 1,5:1
Tx attenuation	Typical 3,5dB (spacing ≥ 150KHz)
Resonant system	4 high selectivity resonatooes with 8" each one
Combiner connectors	N female (input and output)
RF isolator	Double-stage, low-loss ferrite circulators
Minimum spacing	50 KHz
Multicoupler connectors	BNC female (output) / N female (input)