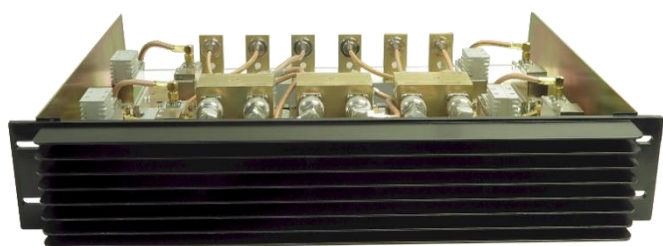


VHF Control Station Combiner

Our Control Station Combiners (CSC) is an ideal solution to reduce the number of antennas required on a communications site by maintaining a high radio-to-radio isolation at all times. It can significantly reduce tower clutter and loading, and simplify cabling installation at control center facilities.

This product provides frequency-agile operation across a frequency range from 136 up to 174 MHz.

This combiner has the possibilities to be connected to two antennas TX and RX.
In case of only one antenna is used for TX and RX, an external duplexer is required.



*These are generic pictures of the control station combiner. The size of components used for the VHF version, will depend on required frequencies.

Frequency Band, MHz	136-174
Number of Radio ports	4 (also available in 8 ports)
Number of Antenna ports	2 (1 RX and 1 TX)
RF Power CW, Watts	100 per channel
Return Loss dB	> 15
ANT to RX Insertion Loss, dB (4 channels)	7.5 dB Typ. (add 3dB when number of channels is doubled)
TX to ANT Insertion Loss, dB (4 channels)	8.5 dB Typ. (add 3dB when number of channels is doubled)
RX to RX Isolation, dB	75 dB Typ, 70 dB min
TX to TX Isolation, dB	75 dB Typ, 70 dB min
Ant to TX isolation, dB	75 dB Typ, 70 dB min
Dimensions H, W, D, inch (4 channels)	7, 19, 20 (add 7 inch to height when number of channels is doubled)