

ACOM 2S1 XCVR Commutator



The ACOM2S1 is a TX/RX commutator that allows two transceivers to use a common load. It guards each transceiver's input while the other transceiver transmits, prevents simultaneous transmission, and allows simultaneous reception. ACOM2S1 is especially designed to complete the ACOM2000S/SW automatic antenna selector (plus ACOM2000SW remote antenna switch) and the ACOM2000A automatic HF linear amplifier. Nevertheless, it may be used to commutate an antenna only, or can be adapted in other systems, too. Operation is fully automatic and the full break-in (QSK) mode is standard.

Technical Data

Parameters

- Frequency Coverage: All amateur bands 1.8-54MHz.
- Through-line Power: up to 200W PEP or continuous carrier.
- Input and Output Impedances: - 50 Ohm nominal, unbalanced, UHF (SO239) type connectors. - VSWR below 1.1:1 (1.8-54MHz); below 1.2:1 up to 80MHz.
- Power Supply: 11-14 VDC, less than 30mA consumption.
- Size & Weight (operating): W110mm x D42mm x H67mm, 350g, incl. cables (4-1/3"W x 1-2/3"D x 2-2/3"H, 0.8Lbs).
- Operating Temperature Range: 0...+50 deg. Celsius.

Functions

- T/R System: QSK mode capable.
- Protections: - one transceiver's input is grounded while the other transceiver transmits; - simultaneous transmission is prevented; - T/R sequencing and RF relay contacts are continuously monitored.

- End -
