

## SR-20C

Telepoint's SR-20C is a UHF/VHF single-line point-to-point radiotelephone link designed to provide affordable yet high-quality telephone service to rural subscribers. It acts as a full-duplex line extender providing telephone, fax, and internet service to locations difficult or impossible to access by wire lines. Examples include offshore platforms, islands, mountainous areas, and farmlands. A system consists of two units, Base and Subscriber.



The Base unit is typically located where a CO (exchange) line is available. The Subscriber unit is located a long distance away where phone, fax, or modem service is needed. Antennas are connected to both units to establish a radio link between them.

### STANDARD FEATURES

- Range up to 60 miles (100 kilometers).
- Nearly any RF frequency pair may be chosen in the standard bands of 136-174, 400-430, or 450-490MHz. Frequencies in many other bands are also available.
- Transmit power up to 50W for VHF and 40W for UHF.
- Channel spacing is 25kHz (standard) or 12.5kHz (optional).
- Dial-up internet connection speeds of 19.2kbps can normally be obtained.
- Fax: rates to 14.4kbps
- Subaudible tones (CTCSS) guard against activation by outside signals.
- RF modules by Kenwood.
- Excellent audio quality – compandors eliminate radio hiss.
- Compatible with DTMF or pulse-dial exchanges.
- Intercom calls can be made between the Subscriber and a phone connected directly to the Base unit.
- Hookswitch flash is transmitted through system
- Changes to most settings can be done with a standard telephone.

### AVAILABLE CONFIGURATIONS

- Loop-start (ordinary phone service)
- Lease line replacement (2 or 4 wire)
- 2 or 4-wire E&M
- Service to mobiles/portables (enables phone calls over mobile and portable radios)
- Telephone-to-telephone (hotline)

## AVAILABLE OPTIONS

- Voice privacy scramblers
- Ability to easily select among multiple pre-programmed frequencies of your choice
- PC-based programming software enables changes to frequency and transmit power
- Full-duplex repeaters to extend coverage
- Compatibility with Caller-ID
- Polarity-reversal for pay-phone operation
- Subscriber Pulse Metering (SPM) for pay-phone operation
- Compatibility with magneto phones and exchanges

## AVAILABLE ACCESSORIES

- Power supplies: 115 or 230VAC, 50 or 60Hz, switchable
- Uninterruptible (battery-backed) power supplies
- Solar power
- Yagi antennas for fixed installations (any required gain)
- Omnidirectional antennas for mobile installations
- Antenna cables with connectors (any required length)
- Lightning and surge protectors for antenna and phone lines
- TX combiners and RX multicouplers to allow antenna sharing by multiple SR-20C units

