



- **Connect remote transmit and receive HF stations**
- **Single radio controlled system**
- **All encompassing radio system with unlimited scalability**
- **Overcomes bad RF location limitations**

The Barrett 2076 remote control system is a range of unique equipment that enables a single operator to control remotely located transmit and receive stations. Combining the Barrett 2000 series range of communications equipment with the Barrett 2076, the system can overcome typical headquarter challenges with environmental noise from busy urban environments, lack of real estate for antenna systems, headquarters not located in ideal radio communications locations and RF interference from high powered systems.

System flexibility

The 2076 remote control system has unlimited scalability and many configuration options, depending on its application.

The typical configurations include:-

- **Local transceiver**
- **Remote transceiver**
- **Remote receive with local transmit**
- **Local receive with remote transmit**
- **Remote receive and remote transmit**



Functional Options

System Configuration	Call	Channel Scan	Freq Hopping	ALE	Beacon Selcall	Arinc Selcall	GPS Request	Pagecall	2060 Telcall	Selcall	2061 PSTN	2020 Data & Email	PC Control	Vehicle Tracking
Local TRX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote TRX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote RX, Local TX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Local RX, Remote TX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote RX, Remote TX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Configuration flexibility

The interconnection of the remote site or sites can be undertaken via one of the following:-

- Copper wire extended via RS422
- Fibre optic
- Radio links including microwave
- Ethernet/Internet Connection

Single radio controlled system

The 2076 turnkey remote control system can be operated by a single controller. Barrett's well know intuitive operator interface ensure that this system is very simple to operate. From the operator's perspective a split site system appears as a single transceiver.

Telemetry

A wide range of telemetry options are available to suite the projects scope, and includes the ability to monitor or control devises at the remote site. Eg. Antenna switching or fault indications.

Summed voice record

Designed for the aviation industry, a summed transmit and receive audio output is available for voice recording at the control unit.

Security and encryption

As with all Barrett systems, the Turnkey remote control system, can be specified with a range of security options including a voice scrambling, encryption and frequency hopping. All these security and encryption options are maintained throughout the entire system.

System backup

All transceivers in the system are identical and can be used in either transmit or receive mode which enables each transceiver to be used in a backup capability, by simply changing the mode settings.

Dimensions

The Control System and Remote System will fit into a 2U rack with a depth of 170mm each. Depending on system configuration and existing infrastructure these can be fitted into existing racks or racks can be supplied.

Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation.

Sample configurations

