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

www.barrettcommunications.com.au
Functional Options

<table>
<thead>
<tr>
<th>System Configuration</th>
<th>Call</th>
<th>Channel Scan</th>
<th>Freq Hopping</th>
<th>ALE</th>
<th>Beacon Selcall</th>
<th>Arinc Selcall</th>
<th>GPS Request</th>
<th>Pagecall</th>
<th>2060 Telcall</th>
<th>Selcall</th>
<th>2061 PSTN</th>
<th>2020 Data &amp; Email</th>
<th>PC Control</th>
<th>Vehicle Tracking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local TRX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Remote TRX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Remote RX, Local TX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Local RX, Remote TX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Remote RX, Remote TX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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. E.g. 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.

2076 Remote site controller system

<table>
<thead>
<tr>
<th>Sample configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local 2076</td>
</tr>
<tr>
<td>With Control head speaker &amp; microphone Transceiver</td>
</tr>
<tr>
<td>Remote 2076 With 2050 HF Transceiver and Antenna</td>
</tr>
<tr>
<td>Remote 2076 and Remote 2050 Transmitter</td>
</tr>
<tr>
<td>Remote 2076 and Remote 2050 Receiver</td>
</tr>
</tbody>
</table>

Barrett 2076 Remote site controller with 2050 HF Transceiver and 2022 mains power supply

www.barrettcommunications.com.au