

# 950 RADIO MANAGEMENT SYSTEM

## RADIO NETWORK CONTROL SOLUTIONS



### Features

- Easy to upgrade and expand.
- Cost effective.
- Control positions in either desktop or rack mount style.
- Simple to operate.
- Straight forward inter-connection to existing equipment.
- Numerous configurations and options available.

In its simplest form, the 950 system can monitor and control 6 radio channels from a single operator position. From there, the system can be expanded up to 30 channels and 14 operator positions. The 19" sub rack format and modular design enables systems to be easily installed with existing networks and allows for future expansion needs.

The 950 rack and associated cards serve as the audio matrix to cross connect channels to operator positions. The six channels per rack are reflected as six switches on a selector panel at the operator position. Each switch has three positions and can "monitor and transmit", "monitor only" or "not select the channel". Operating independently, the switches can be set in any combination to allow the

operator to transmit or monitor on several channels at once. Multiple selector panels can be added together to cover the number of channels required.

The audio functions are provided by the standard range of 960 handsets and consoles. These can be configured to best meet the operators requirements, from supervisors with total control, to a manager requiring monitoring only.

By listening to our clients, new technological developments have been added to further improve network management. Operators can now access a system several kilometres away. Mobiles can access the telephone network and visa versa using OEM telephone interfaces. Channels can be cross patched or linked under local operator control or remotely from a vehicle.

The continuing support and expanding range of this high quality

product makes it a market leader and allows system users and designers to confidently expand into the next century.

### Console

The console is the standard audio interface to the 950 system and can be stand-alone or integrated with a selector panel (as shown) to provide a simple to use operator station. Facility sockets at the rear allow the operator to customise the console with desk microphone, headset and PTT foot switch combination options. Standard features include level meter, inbuilt microphone, intercom and cross muting facility. A range of console types are available to meet network requirements such as 5 tone selective calling and Automatic Number Identification, (ANI). See 960 series brochure for details.

### Handset

The handset provides an alternative compact solution to monitor or control the system. A handset can be paralleled with a console and selector panel of another station, allowing audio functions only, or be fitted with its own handset selector to access the full function of the audio matrix.



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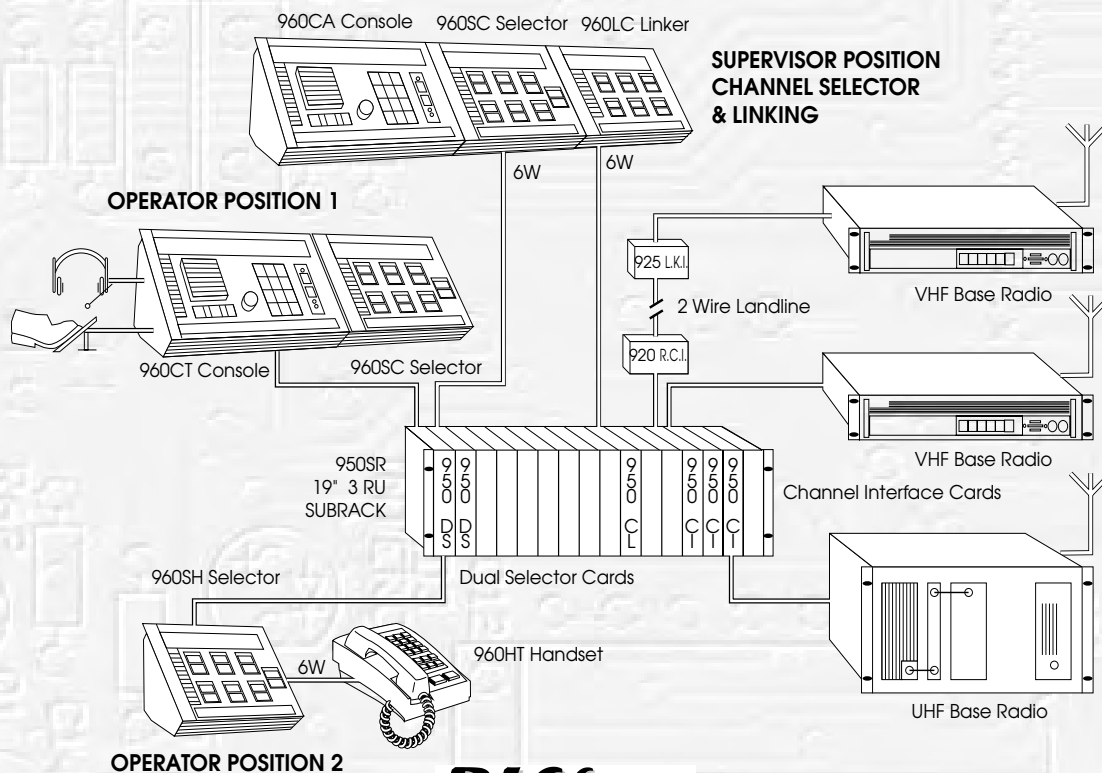
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# S P E C I F I C A T I O N S

|         |                                    |  |
|---------|------------------------------------|--|
| 960SC   | 6 Channel Selector for Console     | Provides 'Off', 'Monitor' and 'Operate' function for each channel. A LED indicator gives mute/PTT status. An auxiliary on/off switch for control of a rack function is included.   |
| 960SH   | 6 Channel Selector for Handset     | Stand alone Unit with the same functions as the 960SC.   |
| 960SC12 | 12 Channel Selector for Console    | Provides same functions as 2 x 960SC. Panel size same as 960SC.  |
| 960SH12 | 12 Channel Selector for Handset    | Provides same functions as 2 x 960SH. Panel same size as 960SH.  |
| 960LC   | 6 Link Selector (console version)  | Allows 2 independent multi-channel linked paths within rack. (Requires 950CL).   |
| 960LH   | 6 Link Selector (handset version)  | Provides the same linking functions as the 960LC, as a stand alone item. (Requires 950CL).   |
| 960LC12 | 12 Link Selector for Console       | Provides same functions as 2 x 960LC. Panel size same as 960LC..   |
| 960LH12 | 12 Link Selector for Handset       | Provides same functions as 2 x 960LH. Panel size same as 960LH..   |
| 960ES   | 6 Channel Extended Selector        | Provides the same functions as 960SC from a location greater than 100m from rack.<br>Connection to rack via 2 two wire lines. 920 & 925<br>Austel approved interfaces used. (Requires 950ES).  |
| 960ES7  | Channels 7 to 12 Extended Selector | Provides additional channel facility to a remote location. (Requires 960ES).   |
| 960DT   | 6 Channel DTMF Link Selector       | Provides link selector functions plus indication of remotely made links.<br>Aux switch is an all link clear function.  |
| 950DS   | Dual Selector                      | Rack mounted module capable of driving two 960 selectors and their peripherals.<br>Individual preset for background monitoring. Connection is via a 6 wire cable up to 100 metres from the 950SR Subrack.  |
| 950CI   | Channel Interface                  | Rack mounted module to interface to local or remote transceivers. Audio to TX, +5dBm. max (variable) into 600Ω. Audio Rx, -20dBm, min (variable) into 600Ω. PTT - Voltage free contacts, RF Mute - bidirectional opto, 2mA/12V. CTCSS Mute - bidirectional opto, 2mA/12V. Direct connection to <b>BISS Technologies</b> 920. |
| 950CL   | Channel Linker                     | Rack mounted unit enabling two separate multi channel links via the 960LC or 960LH.  |
| 950TM   | 6 Channel Tape Monitor Interface   | Provides interface to record receive and transmit audio.   |
| 950DT   | 6 Channel DTMF Decoder             | Enables mobiles fitted with DTMF keypads to link channels.   |
| 950ES   | Extended Selector Interface        | Rack mounted card to extend operator control greater than 100m   |
| 950SS   | Rack Version 6 Channel Selector    | Provides similar functions as 960SC/960SH but from the rack. Used as a technical support tool or to remove channel selection control from the operator.  |
| 950SR   | Subrack                            | 3U high x 160mm deep. Provision for 7 x 950 selector modules, 6 x 950CI modules and 1 x 950CL module.  |
| 950EX   | Extender Card                      | Allows modules to be extended for commissioning and maintenance.   |

## S T A N D A R D C O N F I G U R A T I O N



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