Communications Pty. Ltd.

NP-2000RVC Receiver Voting Comparator

Designed for use in wide-area radio network applications, the NP-2000RVC Receiver Voting Comparator provides dynamic receiver selection based on best received signal level in a multiple site radio network environment.

Netpath 2000RVC Receiver Voting Comparator provides high performance receiver voting for application in wide area analog radio networks.

State of the art DSP architecture provides high quality audio and rapid voting selection of best signal. Special features such as missed syllable delay and tone sequential blanking provide flexibility in system integration.

Parallel processing of received channels in expanded mode (up to 42 receiver channels) offers precision voting selection in the shortest possible time.

Web browser user interface enables remote voter monitoring by users using a PC with internet/intranet access as applicable.

Fault tolerant design provides continued operation in event of key module failure, with fault reporting over web interface.

Modern design using e-pots eliminates level setting inaccuracies for critical applications such as simulcast, and allows repeatability for module changeover in service applications.

- Australian designed and manufactured
- Full local support
- Mission critical design

State of the art surface mount construction and use of multiple layer printed circuit boards enables high level of integration and functionality.

Dynamic Simulcast Delay Management

The Netpath 2000RVC may be ordered with D.S.D.M. option - Dynamic Simulcast Delay Management - simulcast delay and audio phase are dynamically managed to compensate for transmission timing delay variations in link media (requires use of Synchrotone III base station interface modules)

Manual Simulcast Management

The NP-2000RVC may be ordered with manual simulcast delay management, which allows entry of delay and phase selection on a per line card basis.

Alarm Reporting

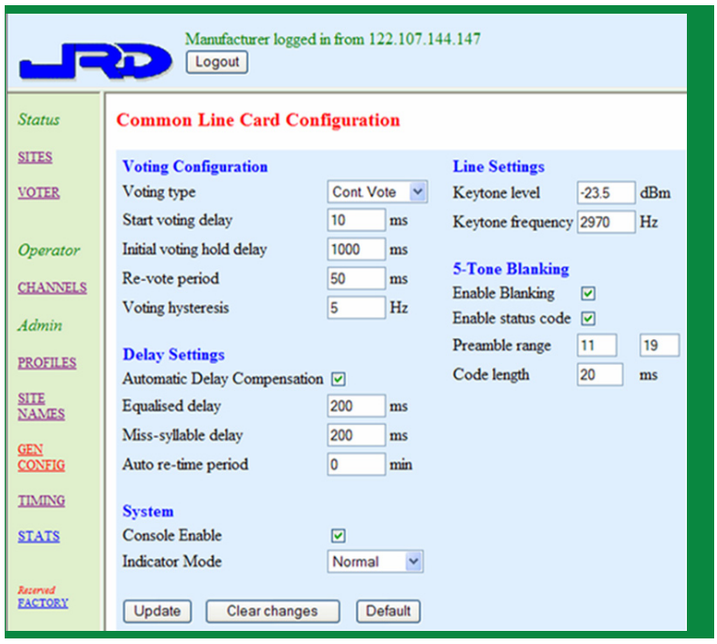
Alarm reporting of critical parameters is provided via the user interface

Convenient installation

The Netpath 2000RVC utilises industry standard 19 inch rack mount configuration, with up to 14 channels accommodated in a single 3RU shelf. Up to 3 voter shelfs may be interconnected (42 channel capacity)

Logging

A time stamped data log of voter decisions may be accessed for system diagnostic purposes



Configuration Management

Voter configuration parameters are managed by use of a password protected web browser via direct connection to the voter shelf, or via TCP/IP network connection. Multiple voter configurations may be stored for fast deployment in redundant system applications

Key Features

Netpath 2000RVC key features:

- Fault tolerant design
- High performance Digital Signal Processing based voting and audio processing
- Dynamic Simulcast Delay Management
- Dynamic Simulcast Phase Management
- Digital "missed syllable" delay
- Sequential tone blanking
- TCP/IP Connectivity - Management Browser
- Logging Capability
- Web based remote configuration and monitoring
- Interactive windows compliant logging client
- Digital Migration path

Technical Specifications

Audio Interface	**600 ohm 4 wire transformer isolated**
Input levels - line cards	**-22dBm to +2dBm**
Output levels - line cards	**-22dBm to +2dBm**
Input level - Console Interface	**-22dBm to +2dBm**
Output level - Console Interface	**-22dBm to +2dBm**
Tone detector sensitivity	**-28dBm to -16dBm**
Frequency Response	**300 Hz to 2550 Hz**
Bulk Delay (missed syllable)	**0mS to 500mS in steps of 10mS**
RSSI Dynamic Range	**-115dBm to -70dBm**
PTT Signalling	**Tone (configurable frequency) or E&M signalling**
Power Supply	**Nom: 13.8v DC @ 6A**
Operating Temperature	**0°C to +60°C**
Storage Temperature	**-20°C to +80°C**
Mounting Configuration	**Standard Model 19 inch rack mount**

Note: These specifications are subject to change without notice. Some options may be mutually exclusive

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