Model NRD-301A is a high grade MF/HF receiver designed for use in the fields of the maritime mobile, land mobile, aeronautical, point to point and monitoring services. The Receiver employs the latest frequency synthesizer technology, Direct Digital Synthesizer (DDS), for pure signal generation and quick response at frequency change. Furthermore, high stable temperature-compensated crystal oscillator (TCXO) is employed for extremely high frequency stability and accuracy of the frequency setting, resulting best reception of single sideband (SSB), or data communications such as weather facsimile.

Features

1Hz-Step Frequency Synthesizer
The frequency synthesizer circuit employing one-chip DDS IC enables 1Hz-step synthesis. The synthesizer assures easy and quick fine tuning.

Electronic Double Tuning Circuit
The electronic double tuning circuit selects only the desired frequency signals, enhancing effective sensitivity.

Wide Dynamic Range
The Receiver employs six bands of double tuning circuits and common-gate balanced FET mixer at its front end for wide dynamic range and excellent two-signal characteristics.

300 Built-In Preset Channels
Maximum 300 preset channels, storing frequency, reception mode, bandwidth, AGC, and ATT data in each channel, are available.

Anti-interference Function
Pass Band Shift (PBS) function eliminates interference signals near the desired frequency.

Noise Blanker
Noise blanker circuit reduces cyclic or sporadic atmospheric pulse noise during rainfall or snowfall. The AF filter improves signal to noise ratio during noisy signal reception.

Built-in Speaker
The built-in speaker assures excellent reception without use of any other speaker.

Complete Plug-In Construction
Plug-in type printed circuit boards assure easy maintenance.
## Standard Components

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Receiver</td>
<td>NEC-904A</td>
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<tr>
<td>Power cable</td>
<td>62/2059/451</td>
<td>1</td>
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<tr>
<td>S-BNC connector</td>
<td>62/510/268</td>
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<tr>
<td>TSC parts</td>
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## Optional Components

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<th>Remarks</th>
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<tbody>
<tr>
<td>Optional</td>
<td>WR-182952</td>
<td>For local top light</td>
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<tr>
<td>WC-A</td>
<td>WRC-182936</td>
<td>For local top light</td>
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<tr>
<td>Headlight</td>
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<td>External parts</td>
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<td>Telephone cord for maintenance</td>
<td>OWA-800</td>
<td>For PGUs operating CPU board</td>
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<tr>
<td>Telephone cord for maintenance</td>
<td>OWA-828</td>
<td>For CPU board</td>
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<td>Power cord</td>
<td>NWS-15</td>
<td>15A 100-V, 60Hz</td>
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<td>Transmitter cable</td>
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<td>Farris</td>
<td>WRK-182936</td>
<td>0.01 dB nickel bandwich</td>
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Specifications subject to change without notice.

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