

URC-300 Operation and Limited Maintenance Training Syllabus

The following topics are presented during URC-300 radio training courses.

Introduction

- Course objectives
- Description of equipment
- Radio features
- Performance characteristics

Specifications

- Front and rear panel controls, indicators and connectors
- Connector pinouts
- Relationships and benefits compared to URC-200 (V2)
- Radio power and accessories

Operation

- Principles of operation
- Menu tree and navigation
- Frequency entry 25 kHz modes
- Frequency entry 8.33 kHz
- Entering different RX/ TX modulation types
- Configuring output power
- Configuring channel presets
- Fault indications and descriptions
- Remote and audio interfaces

Installation

- Installation considerations
- Installation configurations

MWA Webpage

- Accessing the MWA
- Modifying channels
- Modifying global settings
- Radio control
- Viewing radio log
- Configuration clones

- Updating radio software
- Resetting radio

Maintenance

- Periodic maintenance
- Cleaning
- Corrective maintenance
- Troubleshooting and fault isolation
- System testing
 - RX SINAD AM & FM
 - RX distortion AM & FM
 - TX power level AM & FM
 - TX distortion AM & FM
- Removal and replacement
- Technical support