



Manual Revision 4.0 May 2000

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All performance figures quoted are typical and are subject to normal manufacturing and service tolerances.

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FCC Interference Warning

Note: The equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial or residential environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communication.

Record Of Changes

Any changes to this manual are recorded on this list. Replacement pages may be issued to you by Spectra Engineering from time to time. If any updates are issued, you will also receive a replacement for this page.

| Date | Version | Chapter Changes | Pages Changed |
|------------|---------|------------------------------|--------------------|
| May 1997 | 1.0 | All - Initial Release | All |
| July 1997 | 1.1 | MX800 Software | Software Only |
| Aug. 1997 | 1.2 | DIP switch settings | Appendix C |
| | | MX800 Configuration guide | Appendix D |
| Jan. 1998 | 1.3 | Additional features added | |
| April 1998 | 2.0 | General Revision | All |
| May 1998 | 2.01 | Minor corrections | i,ii,iii,10,15 |
| May 1998 | 2.02 | Master doc | All |
| Oct 1998 | 2.03 | Minor Corrections | i,ii,9,27,29,30,35 |
| April 1999 | 3.0 | Local control features added | All |
| Dec. 1999 | 3.1 | Options chapter added | All |
| June 2000 | 4.0 | Document reformatted | All |
| Aug 2000 | 4.01 | MX800 Configuration Guide | 70 |
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SAFETY SUMMARY

Although there are no dangerous mains voltages present within the equipment, the following general safety precautions as would normally apply, should be observed during all phases of operation, service and repair of this equipment.

AROUND THE EQUIPMENT

To minimize any possible shock hazard from an external power supply or lightning strike, the chassis or equipment cabinet must be connected to an electrical ground. Provide adequate ventilation around the rear of the equipment.

DO NOT OPERATE IN AN EXPLOSIVE ATMOSPHERE

Do not operate the equipment in the presence of flammable gases or fumes. Operation of any electrical equipment in such an environment constitutes a definite safety hazard.

DO NOT ATTEMPT INTERNAL SERVICE WHILE TRANSMITTING

Thermal or RF burns may result from touching certain components within the power amplifier module while transmitting or operating the transmitter.

DO NOT SUBSTITUTE PARTS OR MODIFY THE EQUIPMENT

Because of the danger of introducing additional hazards, do not install substitute or lower voltage parts to the equipment. Return to your authorized distributor.

EXERCISE CAUTION AND CORRECT DISPOSAL OF RF POWER DEVICES

Most RF power transistors and some RF power hybrids contain Beryllium Oxide. Although they are normally safe, if physically damaged toxic dust may be released. Consult your local authority for correct disposal thereof.

WARRANTY CONDITIONS & PRECAUTIONS

The following conditions are not covered by the warranty of the MX800. Please ensure that the MX800 is not subject to;

1. Over voltage or Reverse Power Supply Voltage.
2. Operation in locations subject to abnormal environmental conditions such as extreme temperatures or ingress of moisture.
3. Operation of the MX800 Transmitter output into an open or short circuit or an incorrectly terminated load.

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