



“Arena Tx”
WiseDV Low Power Transmitter System Mark I
Users Manual

Martin Greenwood
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For further information, please contact
Martin Greenwood
martin@wisedv.com
Tel 858 610 4832

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1 History and Document Approval

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Author:

Martin Greenwood
Vice President

Approved

Atul Anandpura, Chief Executive



2 Scope

This is the users manual for the following Equipment:

Arena Tx
WiseDV Low Power Transmitter System Mark I

It provides guidance to operators of sites where the Equipment is installed as to the location, use and maintenance of the Equipment.



3 Notice

INFORMATION TO USER

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NO SUBSTITUTION OF, OR MODIFICATION TO THE ANTENNA IS PERMITTED. TO DO SO WILL VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FRN: 0015609498
FCC ID: VIRARENATX

4 SAFETY

The Equipment is intended to be operated and maintained by qualified personnel. It is also important that the access to the equipment location be restricted to authorized personnel. If the user permits access to the equipment by the general public, or other unqualified personnel, those persons may be exposed to potentials hazards that include:

- electric shock
- injury from RF radiation

4.1 Antenna

The antenna shall be located such that a minimum separation distance of 20cm is maintained between radiating elements and any nearby persons. The antenna may not be collocated or operated in conjunction with any other antenna or transmitter.

5 INSTALLATION, COMMISSIONING, OPERATION AND MAINTENANCE OF THE EQUIPMENT – GENERAL

The Equipment forms a professional-grade installation, which is intended to be installed, operated and maintained by type-qualified technicians. As such, there are very few operations that the user may conduct, and indeed, unqualified intervention by the user may well invalidate the authority of the user to operate the equipment (under FCC “Part 15” regulations).

Examples of operations that may only be conducted by WiseDV-authorized technicians are:

- Supervision of the system during its operation
- Modification of the system, including changes to or replacement of the cables that interconnect different parts of the system
- Changes to or repositioning of the antenna

Operations which may be carried out by the user are listed below.

5.1 Equipment Power-Down (Including Emergency)

The Equipment may safely be powered-down by removal of the mains supply. All of the equipment is powered through regular 110V mains, and there are no UPS or other power supply batteries. If there is need to power down the equipment (for instance in an emergency situation) then simply remove the power from the Equipment.



5.2 Repositioning Cables

Cables may be repositioned. For example, the user may need to reorganize cable conduit as part of some other work, and this may be done without recourse to WiseDV technicians provided that the same cables are then reconnected.

5.3 Cleaning Etc

During times when the Equipment is not in operation, the user may tidy and clean the general vicinity of the equipment, in accordance with their own general procedures for technical equipment areas, provided that this does not involve moving or dismantling parts of the installation. The user may also clean the antenna, provided that the integrity of its installation is not disturbed.

5.4 Antenna

No substitution of, or changes to the antenna are permitted. To do so will invalidate the authority of the user to operate the equipment under FCC regulations.

6 Equipment Access and Environment

It is important that the Equipment location is secure from members of the general public and be restricted to authorized personnel who might reasonably be expected not to tamper with the installation. While it is difficult to generalize, the installation should only be accessible to such people as TV Technicians, Lighting Crews, Sound Engineers, etc and their supervisors and managers.

The acceptable environmental conditions for the equipment are:

- ambient temperature 40F – 100F
- elevation up to 10,000 feet msl
- no water spray or condensation

The antenna may be located permanently outdoors, for which it is designed.

ACCESS TO THE INSTALLATION SHOULD BE RESTRICTED AT LEAST TO A SIMILAR EXTENT AS OTHER HIGH VALUE AUDIO/VISUAL EQUIPMENT AND INSTALLATIONS ON SITE. THIS IS A REQUIREMENT OF FCC APPROVAL OF THE EQUIPMENT

6.1 Electrical Supply

The Equipment needs 110V supply, stable to within 15%.

6.2 Power Consumption

Will not exceed 2A at any location.



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