User's Manual of Power Amplifier





System Configuration



NOTE: For outdoor installation, you may need plastic tubes. Insert the N-Type cable into the plastic tube then assemble with the N-Type connector. Move the plastic tubes to the junction of the connector and the cable, and then heat it up to contract the plastic tubes.



Items	Description
Antenna Connection	This port connects to the antenna
Radio Connection	This port connects to the DC Power Injector
Mounting Flanges	Mounting holes are provided for either mast mounting
	using the included U-bolts, or bolted directly to a bracket
	or other structure.
Power/ Transmit LED	This LED glows GREEN in receiving mode when
	power is applied to the amplifier and flash RED when



Transmission LED

Item	Description
Buzzer	It rings when the cable mismatching or voltage operates
	abnormal. In these situation, the Power LED will glows
	RED
Power LED	This LED glows GREEN when power is applied to
	DC-Injector, and flashes RED when the cable mismatching
	or voltage operates abnormal
Transmission LED	This LED glows GREEN in transmission mode when the
	power is sent to the power amplifier
Connection to	This port connects to the Radio device (ex: Wireless PC
Radio	Card)
RF and DC Power	This port connects to the Power Amplifier

NOTE: Connection to Radio port **MUST** connect to the radio device (ex: Wireless PC Card) and **RF and DC Power to Amplifier** port **MUST** connects to the Power Amplifier. If connecting in **OPPOSITE** way, all of the devices will be **DAMAGED**.

Ground Cable

Lightning Protector

Radio transmitters, receivers and RF cables require protection when attracted by lightning strike.

The surge protectors contain fast response gas filled arrestors to provide low let through voltage for fast rise time transients. The device is configured to minimize circuit capacitance and the performance can be assured up to 2GHz. Standard models provide protection for receivers and transmitters up to a 1KW power level.

Installing this device in outdoor may be subject to lightning strikes. To properly protect your equipment, you should install the lightning arrestor to prevent an electrical surge from traveling through the antenna cable and into the building. Lightning protection for a building is more forgiving than protection of electrical

devices. A building can withstand up to 100,000 volts, but electrical equipment may be damaged by just a few volts.

Direct earth grounding of the antenna and the Lightning Protector is necessary to protect the installation from lightning and the build-up of static electricity.

The ground terminal is located on the lightning protector that attached with this unit. Connect one end of the grounding cable to the Ground terminal and the other end to a good ground connection.

Mounting Instruction

This power amplifier can be mast mounted using the stainless steel U-bolts as shown in Figure 5 and Figure 6. Refer to the sketch for proper positioning. Carefully tighten the bolts using the included nuts. Take care not to over-tighten the bolts or cause damage to the RF connectors on the amplifier. Because the amplifier is a sealed unit, these connectors can not easily be repaired.

This unit can also be mounted to a flat surface using any of the mounting holes on the unit's mounting flanges.



