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April 9, 2007	D.2	M Hardy	Added extra FCC language
April 10, 2007	D.3	M Hardy	Added RF Exposure warning



1. DESCRIPTION & FEATURES

1.1 DESCRIPTION

The GoPac is a multi-functional transmitter docking station and amplifier, designed specifically to provide extended range operation for low power camera back transmitters, however the GoPac can also be used with units other than camera back transmitters.

A camera back transmitter can be mounted onto the GoPac using standard Anton Bauer Battery (or IDX) mounting clips, and the RF output is routed to the GoPac input via N-type connectors. If desired, the two units can be separated up to 100 feet using SF214 RF cable. In either configuration, an appropriate antenna either attaches directly to the RF output of the GoPac, or can be remoted using RF cable.

The standard GoPac is pre-configured for either single or dual band operation, with coverage of the following US frequency bands:

- 1.99 – 2.70 GHz
- 6.40 – 7.10 GHz

Other frequency coverage may be available, please contact Nucomm for specifics.

This manual is written in general form to cover all typical configurations and options for the GoPac.

1.2 FEATURES

The GoPac was specifically designed to support ultra portable ENG.

POWER OUTPUT

Typically camera back transmitters are limited to less than 250 mW of output power, limiting their range. For extended range operation, the GoPac docking station/amplifier outputs up to 5W digital (optional up to 8W digital).

POWER SOURCES

The GoPac features a built-in universal power supply which operates on power ranging from 90 to 240 VAC (40 to 60Hz), or +11 to +32 VDC without the need for internal jumpers or switch settings.

A camera back transmitter can be attached to the GoPac and be powered via the integrated IDX (Sony "V" clip) or Anton Bauer battery adapter plates.

STANDBY MODE

The GoPac has a rotary switch for selecting the unit to Standby mode; however an integrated detector circuit inhibits the GoPac from transmitting in the absence of an RF signal from the external device.

In Standby Mode the RF output is muted. If an external RF source is applied to the input connector, rotating the GoPac selector switch to one of the transmit modes will result in an instantaneous *on-frequency* transmission.

INTERNAL SELF-TEST

The GoPac has a built-in self-test feature, which checks the unit for functionality and several internal parameters. Should an error or malfunction be detected, the red alarm LED will illuminate and an alarm message will be displayed on the LCD.

