microLite HD Elite System

MPEG-4 Ultra-Miniature Wireless Camera System for Today's Smaller ENG Camera

Kit Contents:

- 1 microLite HD Tx with transmitter mounting bracket and Litepanels kit preassembled .
- 1 microLite HD Rx with receiver mounting bracket preassembled
- 1 Omni Directional Tx antenna
- 2 Rx compact sector 12dBi antennas •
- 1 Manfrotto Magic Arm •
- 1 Manfrotto Super Clamp .
- 1 AC/DC power supply for *microLite* Receiver (Tamiya DC connector) •
- 1 Receiver power cable set (2.5mm power connector to Tamiya) •
- 1Transmitter power cable set (Lemo to Tamiya) .
- 1 Anton Bauer D-Tap power cable (D-Tap to Tamiya) •
- 2 Audio cables (Telocate to XLR unbalanced) •
- 2 USB-Serial adapters for configuring units (USB to RS-232) .
- 1 Null Modem cable for MLR configuration (between MLR and USB serial adapter)
- 1 USB/Power software update cable for system software updates for the MLT .
- 1Transmitter power cable (Lemo to Tamiya/DB-9) .
- 3 Instruction Manuals and NanoController Software on USB stick



Figure 1

Figure 2



- Figure 1: microLite Kit
- Figure 2: *microLite* Receiver and bracket with sector antennas mounted using the Magic Arm.
- Figure 3: microLite Transmitter mounted on camera with Litepanels mount, antenna, power cable and video cable connected.



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microLite Quick Start Guide

1. **Overview** - This document contains setup instructions and use of the *RF Central MicroLite System*. Refer to the user manual for more detailed technical information.

2. Transmitter set-up

- 2.1. Remove *microLite Transmitter (MLT)* from the case. Mounting bracket and Litepanels kit is already attached to the *MLT*. Attach assembly to camera.
- 2.2. Connect video source to the Video/SDI Input (BNC jack).
- 2.3. Connect analog audio source (Telocate to XLR) to the transmitter using the 2 provided audio cables (if not using embedded audio).
- 2.4. Connect TX antenna (small omni directional) to the RF output (SMA).
- 2.5. Connect the power source to the MLT using the supplied transmitter power cable.
- 2.6. Select the desired preset using the set button.
- 2.7. Transmit signal using the MLT Tx/Standby button.
- 2.8. microLite Transmitter will have one of the following button controls:
 2.8.1.1. BARS Will turn internal Bars on and off.
 2.8.1.2. FAN Will turn the internal fan on and off
- 3. Receiver set-up
 - 3.1. Remove microLite Receiver (MLR) from the case. The mounting bracket with MLR is preassembled.
 - 3.2. Attach MLR to the Magic Arm using tripod mount bracket.
 - 3.3. Connect SDI output as needed (BNC connector).
 - 3.4. Connect audio output as needed (RCA jacks).
 - 3.5. Connect RX antennas (larger sector directional) to the RF Inputs (N-Type).
 - 3.6. Aim directional sector antennas in the general area of *MLT* operation.
 - 3.7. Connect power source to the MLR using the power cable supplied.
 - 3.8. Select MLR preset using the set button.

Connectors (from left to right)	Label on Unit	Description
Lemo 7 pin	Power and Control	Power in, RS-232 Control
Telocate	Audio - Left	Audio Input
Telocate	Audio - Right	Audio Input
Lemo 5 pin	EXT	ASI In and Out
BNC	Video – SDI	Video In

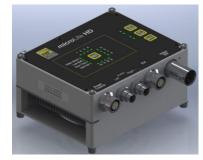


Figure 1: microLite Transmitter Connectors

Connectors	Label on Unit	Description
RCA Jacks	Left – Right	Audio Outputs
BNC	Video	Composite out only (noHD)
BNC	SDI	HD/SD SDI
Power Jack	DC In 11-28VDC	Power Input
RJ 45	No Label	VIP and Remote Control
RS-232	Remote/User Data	Remote/User Data
BNC	ASI	ASI Output



Figure 2: microLite Receiver Connectors



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