

# 07APFH-AP (FCC ID: OU507APFH-AP) User's Guide

## FCC Warnings

Operation of this equipment requires the prior coordination with a frequency coordinator designated by the FCC for the Wireless Medical Telemetry Services.

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.

Changes or modifications not expressly approved by the party responsible for certification could void the user's authority to operate this product.

This equipment uses a linear polarized whip antenna with a max gain of 2 dBi and may not be used with other antenna types or with antennas of higher gain.

## Product Description

The DR-10000 Access Point transceiver collects WMTS patient telemetry data from Ambulatory (portable) transceivers, sends that data to the Central Nurses Station, and transmits control data back to the transceiver devices. The DR-10000 is connected to the Central Nurses Station via 10/100 Base T Ethernet connection. The WMTS radio inside the AP operates over the 608-614 MHz WMTS band and complies with the Part 95 WMTS rules.

## Product Specifications

Size: 20.5 x 20 x 3.5 cm

WMTS Frequency Band of operation: 608-614 MHz

Output power: Consistent with Part 95 radiated limits of 200mV/m (approximately 11 dBm conducted)

Receiver sensitivity: -93 dBm

External Power connection: 7-26V DC

Wired Connectivity: 10/100 Base T Ethernet

## Antenna Description:

PN: OEM181AM-608S

Manufacturer: Nearson Antennas

Type: Linear polarized Whip

Band: 608-614 MHz

Gain: 0-2 dBi

Connector: SMA

Maximum power rating: 1 watt

Pattern: Omnidirectional

## Operating Instructions

1. Connect external power supply to DR-10000 DC input. Voltage should be between 7-26 VDC. Power supply should be rated to 1 A minimum.
2. Connect 10/100 Base T Ethernet cable to Ethernet port on DR-10000.
3. Connect Synch-Master cable to SYNC In port on device.
4. Connect OEM181AM-608S WMTS Antenna to SMA connector on DR-10000
5. Push front panel button to turn device "on"
6. Connect GEHC laptop to front-panel Serial connector to configure device
7. Communicate with device through GEHC software at Nurses Station for confirmation of proper operation.