

## MARK VI RECEIVER

### Features

- Decodes at 72-76 MHz or 132-174 MHz based on model ordered
- Frequency synthesized (72-76 MHz), crystal selectable (132-174 MHz)
- Sensitivity as low as -125DB
- Parallel port connection for RAD-P, DPM-2000 and System 3505 interface
- Adjustable carrier level fault indication
- Carrier detect LED
- 19 in. rack mount (3 ½ in. high)
- External rear panel "S" meter & audio connections
- Optional remote receiver capability using encoder/decoder assemblies
- Built-in "S" meter & volume control
- NFPA-72 Compliant



### Product Description

The Digitize Mark VI AM receiver is a crystal controlled receiver/tone decoder which operates on either 72-76 MHz or 132-175 MHz. Frequencies in the 72-76 range are dip-switch selectable. You may order the 72-76 MHz or a single frequency between 132-174 MHz. Typical receiver sensitivity is in the range of -121 to -125dB.

The radio tone decoder converts the analog radio signal into a digital signal for transmission to the Radio Box Interface card for processing by the System 3505.

The Mark VI receiver features an integrated speaker with volume and squelch control so that operators can hear incoming signals. A 10-segment LED bar-graph signal strength meter provides visual readout of the incoming signal strength.

The Mark VI is connected to the System 3505 by a 26-pin ribbon cable. Power for the Mark VI is provided by the System 3505. Antenna hookup is provided by BNC connectors on the rear of the receiver. Signals Received by the Mark VI are decoded and sent to the radio box interface card that is installed within the decoder.

# SPECIFICATIONS

## Dimensions

Height: 3.5 in.  
Width: 19.0 in.  
Depth: 12.0 in.

## Power

Supplied by the System 3505

## Operating Temperature

0°-50° C  
32°-122° F

## Sensitivity

-121 to -125 dB

## Audio Monitor

Internal speaker with volume control and squelch

## Visual Monitor

10-segment bar-graph LED signal strength meter

## Input

BNC antenna jack

## Output Connection

26-pin ribbon cable

## Ordering Information:

P/N 010001-0092 ---1221 Radio Option with Mark VI Receiver, 72-76 MHz  
P/N 010001-0101---1221 Radio Option with Mark VI Receiver, 138-174 MHz  
P/N 425174-0002---Mark VI Receiver, 72-76 Mhz (requires 1221 radio option installation)

