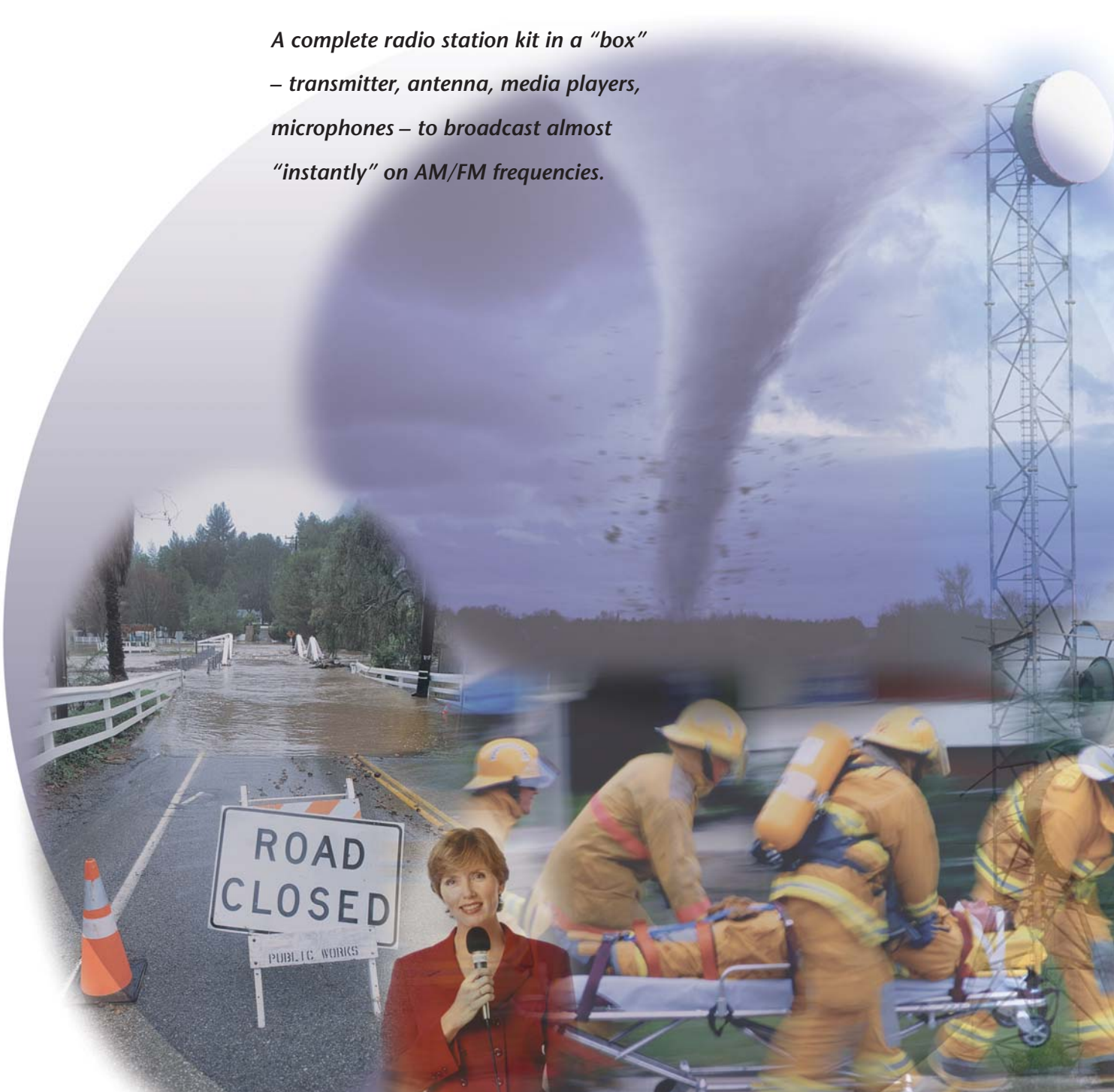




*Radio and Television Systems*

***AM/FM  
Radio Flyaway  
Portable  
Broadcast  
System***

*A complete radio station kit in a "box"  
– transmitter, antenna, media players,  
microphones – to broadcast almost  
"instantly" on AM/FM frequencies.*



## When Disaster Strikes Will You Be Ready?

Natural disasters — tornados, hurricanes, flooding, heavy snows and anything else that mother nature can throw at you. Add man's own twists such as biological attacks, war or explosions. The *unimaginable* can happen at any time – and often, just when you really need to be on the air.

A short while ago when your transmission site went down you made a desperate phone call to about dozen different people to get the equipment that you needed to get your signal back up on the air. Then you waited and waited, watched the hours tick off and then waited and waited some more. And then if you're extremely unlucky the days start to fly by and the crash you hear in the background is your broadcast revenue hitting rock bottom.

### ***Portable Please!***

Most people would say scenarios like this are unavoidable. Not any more. With the Harris

AM/FM Radio Flyaway Broadcast System, the first completely portable radio station in a "box," You'll have absolutely everything that will need to begin broadcasting a signal and programming, not in a couple of days, but in *hours*, even in the remotest of locations.

### **Harris AM/FM Radio Flyaway Broadcast System**

#### ***Features and Benefits:***

- Completely Portable – Temporary or Emergency Broadcast System
- Easy to Deploy
- AM or FM Capabilities
- Frequency Agile
- Package includes antenna, 500 watt transmitter, microphones, players
- Program origination and control for live and recorded broadcast

## The Harris AM/FM Flyaway Package – The Ultimate Solution for Broadcasting Anywhere.

***Absolutely everything that you need to broadcast live or prepackaged programming! Compact rack systems nested in rigid, heavy duty shock mounted shipping cases.***

### ***Program Origination System (AM/FM)***



#### **A broadcast studio in a box with:**

- Six channel audio mixer
- 2 CD players
- Audio Recorder/Player Cassette
- Headset monitoring amplifier
- External monitor input
- Headsets with microphones
- All connecting wires and cables

Our studio is a compact rack system that sets up and is ready to go in minutes.

### ***Antenna Systems***

Both of our antenna systems are portable and completely packaged for easy set-up. These kits contain everything you need – antenna, antenna feeder cables, and instructions



***AM Antenna Package***



***FM Antenna Package***



***AM Antenna System ATU***

## FM Broadcast System



### FM Transmit Audio Rack

- FM Audio Processor
- AM/FM Receiver for "off air" monitoring
- Audio Monitor with level meters
- Program selector switch, selects between STL receiver or local program input

### FM Transmission Rack

Harris Quest, 500 watt FM transmitter with solid-state power amplifier, internal frequency agile exciter

- Air cooled
- 120 Volt AC power

Good things come in small packages. The Harris Quest 500 watt FM transmitter is the smallest sibling in our extremely popular Z-transmitter line. The Quest features the same uncompromising technologies as its big brothers.

### FM Antenna System



- Log periodic type broadband antenna
- Two (2) antenna feeder cables
- One Nylon zipper bag
- Mountable to masts, pipes or other round objects up to 2.376" diameter to 2.376" diameter

## AM Transmission Package

### Program Origination System



### AM Transmission Rack



- 500 watt frequency agile AM transmitter
- AM Audio Processor
- AM/FM Receiver for "off air" monitoring
- Audio monitor with level meters
- Program selector switch, selects between receiver and local input

### AM Antenna System



- High efficiency frequency agile antenna
- Includes vertical radiator, guy cables, ground counterpoise, feeder cables, Antenna Tuning Unit (ATU) with comprehensive metering for easy tuning
- Set up in one (1) hour with three (3) people



# A Portable Broadcasting Solution for Now.

## Specifications:

**Frequency Range:** **AM Operation** 1197 to 1710 KHz, frequency agile  
Systems supports both 10 KHz to 9 KHz channel spacing

**FM Operation** 87.5 to 108 MHz, frequency agile  
Systems supports 200 KHz channels with 15, 25 or 50 us. pre-emphasis

**Power:** 120 Volt, 60 Hz AC power with portable generator or local power

**Broadcast Coverage: AM Operation**

- City Grade coverage (typically 6mv/meter within 5 miles from the antenna depending on soil conductivity, daytime and RF propagation conditions)

**FM Operation**

- Reliable coverage to 15 miles radius with omni-directional antenna; additional distance possible with a directional antenna; actual coverage dependant on the height of the transmit and receive antennas, length of feeder cables and of antenna orientation

**Antenna Systems:**

**FM Operations**

- 88-108 MHz coverage
- Log periodic type broadband antenna with two options
  - 4 bay omni-directional 6 dBd power gain
  - directional antenna, 7 dBd power gain, 52 degree horizontal half power beam width
- Mountable to masts, pipes or other round objects up to 2.376" diameter
- Two (2) antenna cables –
  - 1 – 50' RG-213 w/Type N connectors
  - 1 –100' RG-213 w/Type N connectors

**AM Operations**

- High efficiency frequency agile antennas
  - Tunable over the range of 1197 to 1710 KHz
- Includes vertical radiator, guy cables, ground counterpoise, and feeder cables
- Antenna Tuning Unit has comprehensive metering for easy tuning:
  - Serves as an integrated base support insulator for vertical mast
  - Provides antenna tuning and impedance matching between transmitter and antenna
  - Resonates radial wires to reduce electrical losses in the ground
  - Provides static drain and lightning protection for antenna system and requires ground rod attached ATU
  - Metering system allows proper adjustment of ATU
- Packaged in three containers
  - Mast & support poles in Nylon zipper bag, 132"LX12"H X 12"D, 60-lbs
  - Mast & support post guy anchors in a Nylon zipper bag, 55"LX16"HX16"D, 100-lbs.
  - Antenna cables in Nylon zipper bag, 24"LX15"HX15"D, 50-lbs

Specifications subject to change.