1 DESCRIPTION

The MXD-LTE by Mytrex, Inc. is the most advanced Cellular based Personal Emergency Response System (PERS) on the market today and is manufactured in the USA!   As a Class II medical device, the MXD-LTE is registered with the FDA and has two SIM slots allowing connection to Verizon Wireless and AT&T Wireless©. The MXD-LTE provides numerous voice prompts in any language to assist with system install, regular testing, maintenance, customer reminders and providing guaranteed account information to participating monitoring centers when standard industry communications fail during an emergency. The RA3TX, standard with every MXD-LTE, is the smallest Personal Help Button (PHB) available and has a range up to and beyond 600 feet as used in a customer's home; not just in a test environment. The MXD-LTE's speaker is crisp and clear. The microphone is so sensitive that soft-spoken customer voices can be heard by monitoring center personnel from virtually anywhere in the home and often outside or in the garage. The MXD-LTE is also popular in protecting against domestic violence by preventing the speaker from turning on in covert mode, thus preventing a dispatcher's voice from inadvertently being heard through the system if desired. The MXD-LTE is compatible with wall mount Help Buttons, popular Fall Detection devices and is capable of pairing with up to two Medication Dispensers; his and hers. The MXD-LTE not only supports industry standard wireless help button supervision protocols but offers the exclusive Mytrex enhanced mode of supervision that eliminates all fallacies of standard supervision protocols. One of the most important features of the MXD-LTE is its Contingent mode of operation in which the unit will still call the monitoring center even if data services such as cellular data are interrupted. AC Fail, Low Battery, Dead Battery and AC Restore reports help maintain system integrity and assure reliable protection.

2 UNIT FEATURES

1. Specifically designed for dual carrier operation for maximum protection
2. Personal Help Button
    a. Long PHB range (over 600 feet)
    b. PHB battery monitored
    c. One-Touch PHB
    d. Soft-Touch PHB option
    e. Break-Away lanyard

   f. Wristband option

   g. Waterproof (UL Tested)

3. Unequaled Two-Way Voice Capability

   a. Microphone sensitivity

   b. Speech clarity

4. 255 wireless devices and 255 different zones (PHBs, Wall Mount Help Buttons or Fall Detectors)

5. Two Medication Dispensers

6. Base Unit Battery

   a. Up to 30 hours of battery operation

   b. Battery over-charge, under-charge and over discharge protection and reporting

   c. Live capacity battery monitoring

   d. Low, dead and bad battery reporting

7. One telephone number for voice signaling (Contingent Mode) if primary and secondary telephone numbers fail or if data services fail

8. Large base unit HELP button

9. Small base unit footprint

10. Non-intrusive LED status indicator

11. Firmware, operating parameters, voice prompts and custom voice prompts are upgradable Over-the-Air

12. Demo mode

13. Direct to Responder mode

14. Programmable parameters (remotely or directly at the unit)

   a. USB

   b. myLink Over-the-Air

15. Programmable dialing delay after alarm activation

16. Enhanced two-way voice management

   a. Programmable DTMF voice commands

   b. Web based voice commands

   c. Programmable voice disconnect warning

   d. Voice command acknowledgements

   e. Learn (pair) new PHB in voice mode or Over-the-Air

   f. PHB battery status interrogation during voice mode

   g. New alarm reporting during voice mode

   h. Programmable automatic report back delay

   i. Range test mode

   j. Set automatic voice test time

17. Programmable voice and alert levels

18. Regulatory

   a. FDA listed as a Class II Medical Device

   b. FCC part 15

   c. Verizon Wireless©

   d. AT&T Wireless©

3 DEALER FEATURES

1. Private label
2. Ease of installation
   a. Range Test Mode
   b. Easy wireless device management (PHBs, etc.)
3. Remote and local programming with easy to use web interface (myLink)
4. Easy to 'LEARN' a new PHB through telephone support or voice mode
5. Demo Mode
6. Battery bench test mode
7. Custom packaging available
8. Programmable automatic voice testing (1 to 255 days)
9. Programmable automatic dial testing (1 to 255 days)

4 USER FEATURES

1. Multiple language voice messages/prompts and custom messages such as reminders
2. Domestic violence
3. Small footprint and aesthetically pleasing
4. Clear audio
5. Ultra-sensitive microphone

5 MONITORING FEATURES

1. Secure TCP alarm signal reporting
2. Custom reporting per monitoring center
3. Voice signaling capable
4. Up to 12-digit account code reporting
5. Unit serial number may be substituted for account code reporting
6. One, two or three-digit alarm code reporting
7. Programmable two-way voice commands
8. Easy to 'LEARN' a new PHB while in two-way voice mode
9. Queued alarms easily reported in two-way voice mode
10. Talk/Listen toggle in two-way voice mode for increased microphone sensitivity
11. Selectable microphone gain by dispatcher

6 ALARM CODES

1. Personal Help Buttons (PHBs), Wall Help Buttons or Fall Detection Banks
   a. Up to 255 Wireless devices with any combination of 255 zones
   b. Non-supervised operation, Industry Standard supervised or Mytrex Enhance supervision
   c. Help/Panic

d. Help/Panic with low battery

e. Fall

f. Fall with low battery

g. Device low battery

2. Two Medication Dispensers

a. Non-compliance

b. Jammed

c. Low battery

d. Supervision (if desired)

3. Base Unit Reports

a. Base Unit HELP

b. AC fail and restore reporting with programmable delays

c. Low battery warning

d. Dead battery notification

e. Bad battery notification

f. Auto dial test

g. Auto voice test

h. Bad charging voltage

i. Bad charging voltage restoral

j. Automatic report back

k. Account activation notification

7 TECHNICAL SPECIFICATIONS

Primary Power	5VDC, 2000mA
Backup Battery	3.7V, 2400 mAH LiPo battery
Normal Operating Current	80 mA
Alarm Operating Current	110 - 800 mA
Speech Operating Current	450 mA
Maximum Battery Backup Duration	30+ hours depending on power saving modes
Battery Life Expectancy	3+ years
Receiver Type	Superheterodyne
Modulation	OOK, Manchester – Mytrex Proprietary
RF Sensitivity	-115 dBm
Typical Range	Over 600 Feet
Waterproof Pendant	Yes – to 3 feet (designed to IP67 standard)
Frequency	418 MHz
PHB Battery Life	3 to 5 years (depending upon usage)
Dialing Delay	0 – 255 seconds
Account Number Length	3 to 12 digits
Alarm Code Length	1 to 3 digits
Auto Voice test	0 to 255 days
Auto Dial Test (Unit status report)	0 to 255 days
Operating temperature	0 to 49 C (32 to 120 F)
Audio	Covert Mode (Listen Only), two-way toggle, non-voice