



Product Bulletin

July, 2013

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1.TETRA New Product Release

1.1 TETRA Terminal R4.0 release

TETRA terminal R4.0 was released officially in February of 2013, providing more new features as followed:

1.1.1 E2EE

End to end encryption, Hytera provides two E2EE solutions. One called as “software encryption”, which works via embedded algorithm, the other called as “hardware encryption”, in this solution, one slot developed and reserved like SIM card slot, which allows customer develop their owned encrypted algorithm and store their safe keys into chip similar to SIM card.

1.1.2 Sub-gateway / Sub-repeater

These functions allow Tetra terminal works / communicates with TETRA Gateway and Repeater.

1.1.3 New language support

Spanish, Farsi, French, Russian language support.

1.1.4 Customized Ring

This function allows customers customize different ring tone for different service or different call type.

1.1.5 New PIN

The new PIN (Rear 26PIN interface) definition for mobile stations

1.1.6 Echo cancel

Voice can be transmitted only PTT pressed on duplex call going, ensuring speaker not works with microphone at the same time.

1.2 MT680 (remote mount &fixed station) release

MT680 (remote mount & fixed station) released, details as followed:

1.2.1 MT680 (remote mount)



MT680 (remote mount) released, details as followed:

Model	Description
RCC08	MT680 remote mount kits with IP67 control panel+3m connect cable
RCC09	MT680 remote mount kits with IP67 control panel+6m connect cable
RCC10	MT680 remote mount kits with IP67 control panel+15m connect cable
RCC11	MT680 remote mount kits with IP54+3m connect cable
RCC12	MT680 remote mount kits with IP54+6m connect cable
RCC13	MT680 remote mount kits with IP54+6m connect cable
PC57	Solo connect 3m cable bundle
PC58	Solo connect 6m cable bundle
PC59	Solo connect 15m cable bundle

1.2.2MT680 (Fixed Station) and essential installation kits



Model	Description
PS16002	MT680 cabinet and power adapter with power cable and connect cable; Input:100~240V AC; Power output:220W Output:DC 13.8V±1.0%,0~16A Support external battery charge. Support Floating charge and battery protection.

1.3 TETRA DVRS V1.1 release

TETRA DVRS V1.1 was released, all new features and functions as followed.

1.3.1 Recording Management

Capturing a Call/Retrieving a Recording/Replaying a Recording/Downloading a Recording/Tagging a Recording/Exporting the Recording List

1.3.2 Settings Management

User Settings/Recording Settings/General Settings

1.3.3 Logs & Reports

Logs Service/Statistics Service/Exporting a report

1.3.4 Status & Alarm monitoring

Viewing the Status/Viewing an Alarm

1.3.5 Short Data Service

Configuring the Message/Capturing the Message/Exporting the Message List

The screenshot displays the Hytera SPT Search and Playback Terminal interface. On the left, there is a calendar for December 2012 and a search bar. The main area shows a table of call records with the following columns: Calling No., Caller Alias, Called No., Callee Alias, Call Type, Duplex Mode, Call Start Time, Call Setup Time, Call End Time, Duration, and Calling BS. The table contains 22 rows of call data.

Calling No.	Caller Alias	Called No.	Callee Alias	Call Type	Duplex Mode	Call Start Time	Call Setup Time	Call End Time	Duration	Calling BS	
1	1181	Solution_Ap...	1220	Solution_S...	Group Call	Half-duplex	2012-12-21 08:08:55	2012-12-21 08:08:55	2012-12-21 08:09:16	21	20483
2	1181	Solution_Ap...	1221	Solution_S...	Group Call	Half-duplex	2012-12-21 08:03:41	2012-12-21 08:03:41	2012-12-21 08:03:52	11	20483
3	1002	Solution_SS...	1203	Solution_S...	Group Call	Half-duplex	2012-12-21 05:48:21	2012-12-21 05:48:21	2012-12-21 05:48:37	16	1001
4	1015	Solution_SS...	1210	Solution_S...	Group Call	Half-duplex	2012-12-21 05:44:56	2012-12-21 05:44:56	2012-12-21 05:44:59	3	1001
5	1181	Solution_Ap...	1221	Solution_S...	Group Call	Half-duplex	2012-12-21 05:27:22	2012-12-21 05:27:22	2012-12-21 05:27:25	3	20483
6	1181	Solution_Ap...	1222	Solution_S...	Group Call	Half-duplex	2012-12-21 05:24:11	2012-12-21 05:24:11	2012-12-21 05:24:24	13	20483
7	1181	Solution_Ap...	1222	Solution_S...	Group Call	Half-duplex	2012-12-21 05:03:18	2012-12-21 05:03:18	2012-12-21 05:03:31	13	20483
8	1181	Solution_Ap...	1224	Solution_S...	Group Call	Half-duplex	2012-12-21 04:48:49	2012-12-21 04:48:49	2012-12-21 04:48:51	2	20483
9	1181	Solution_Ap...	1223	Solution_S...	Group Call	Half-duplex	2012-12-21 04:42:19	2012-12-21 04:42:19	2012-12-21 04:42:23	4	20483
10	1181	Solution_Ap...	1220	Solution_S...	Group Call	Half-duplex	2012-12-21 04:29:08	2012-12-21 04:29:08	2012-12-21 04:29:24	16	20483
11	1181	Solution_Ap...	1223	Solution_S...	Group Call	Half-duplex	2012-12-21 04:28:10	2012-12-21 04:28:10	2012-12-21 04:28:23	13	20483
12	1181	Solution_Ap...	1225	Solution_S...	Group Call	Half-duplex	2012-12-21 04:18:40	2012-12-21 04:18:40	2012-12-21 04:19:01	21	20483
13	1181	Solution_Ap...	1224	Solution_S...	Group Call	Half-duplex	2012-12-21 04:13:21	2012-12-21 04:13:21	2012-12-21 04:13:23	2	20483
14	1181	Solution_Ap...	1222	Solution_S...	Group Call	Half-duplex	2012-12-21 04:12:11	2012-12-21 04:12:11	2012-12-21 04:12:17	6	20483
15	1160	Solution_SS...	1015	Solution_SS...	Individual Call	Half-duplex	2012-12-21 03:27:01	2012-12-21 03:27:01	2012-12-21 03:27:03	2	20483
16	1160	Solution_Ap...	1015	Solution_SS...	Individual Call	Half-duplex	2012-12-21 03:26:35	2012-12-21 03:26:35	2012-12-21 03:26:39	4	20483
17	1160	Solution_Ap...	1015	Solution_SS...	Individual Call	Half-duplex	2012-12-21 03:26:09	2012-12-21 03:26:09	2012-12-21 03:26:11	2	20483
18	1160	Solution_Ap...	1015	Solution_SS...	Individual Call	Half-duplex	2012-12-21 03:25:43	2012-12-21 03:25:43	2012-12-21 03:25:52	9	20483
19	1015	Solution_SS...	1008	Solution_SS...	Individual Call	Half-duplex	2012-12-21 03:25:26	2012-12-21 03:25:26	2012-12-21 03:25:31	5	1001
20	1160	Solution_Ap...	1015	Solution_SS...	Individual Call	Half-duplex	2012-12-21 03:24:00	2012-12-21 03:24:00	2012-12-21 03:24:06	6	20483
21	1002	Solution_SS...	1203	Solution_S...	Group Call	Half-duplex	2012-12-21 03:05:49	2012-12-21 03:05:49	2012-12-21 03:05:55	6	1001
22	1002	Solution_SS...	1203	Solution_S...	Group Call	Half-duplex	2012-12-21 03:01:12	2012-12-21 03:01:12	2012-12-21 03:01:17	5	1001

1.4 TETRA ACCESSNET-DWS V2.02 release

The new features and functions as followed.

1.4.1 Dispatch Feature

Individual Call / Group Call / Emergency Call / Multi-way Call / Ambience Listening / Group Monitor / Message

1.4.2 Monitor Feature

Terminal Status Monitor

1.4.3 Auxiliary Feature

Contacts / Password Change / Log View / Log Export / Configuration / Dispatch Server (DDS)

2. DMR New Products Release

2.1. DMR R5.1 firmware release

The DMR R5.1 firmware has been release in March, 2013. The release is mainly for the following purpose:

For subscribers

- 1) Enhancement for mobile dispatching radio (for enhance stability on smart dispatcher working with dispatcher radio)
- 2) Enhancement for Bluetooth audio for X1 series;
- 3) Adding the possibility to open rear microphone for X1p
- 4) Arabic input and Thai input for models with keypad;

For most of the oversea markets, there is no need to upgrade the normal radio of R5.0 into R5.1. Just need to wait for Hytera DMR next new big firmware release R5.5 and then upgrade the radio from R5.0 to R5.5 directly.

Only X1 series and mobile dispatcher radio need to be upgraded.

For repeater

- 1) Repeater API optimization.

For both repeater and subscribers

- 1) Meeting FCC narrow-banding requirements --- this is only applicable for North America model;

New models:

- 1) RD96X, 400-- 470MHZ;
- 2) X1p, 136 -- 174MHz.



This is only for placing order of RD96X(400--470MHz) and X1p (136-174MHz); There is no need for upgrading kit since there are no such models of such frequency bands released before;

Note: Different from any big release such as R4.5, R5.0, the R5.1 firmware supports only DMR Tier II conventional mode only. No DMR Tier III Trunking mode available.

2.2 Hytera New Series Accessories of DMR & TETRA release

In order to improve the product reliability, flexibility and wear comfort level on our audio accessories of Hytera Digital products.

Hytera has announced new series of audio accessories to replace the old series.

Applicable model	Model NO. of Earpiece				Connector Type
PD780/PT580H	ESN12 earbud	EHN16 C-earset	EHN17 Swivel earset	EAN23 Detachable Earpiece with Transparent Acoustic Tube	
X1e/X1p	ESN14 earbud	EHN21 C-earset	EHN20 Swivel earset	EAN22 Detachable Earpiece with Transparent Acoustic Tube	

Different from Hytera old version earpiece, each new earpiece is compose with two parts.



1) PD78X(G)/PD70X(G)/PT580H



Remark:

- ESN12 Earbud is composed of ACN-01 PTT& MIC cable and ES-01 Receive-Only Earbud;
- EAN23 detachable earpiece with transparent acoustic tube is composed of ACN-01 PTT& MIC cable and ES-02 Receive-Only Earpiece with Transparent Acoustic Tube;
- EHN16 C-Earset is composed of ACN-01 PTT& MIC cable and EH-01 Receive-Only C Style Earloop;
- EHN17 swivel Earset is composed of ACN-01 PTT& MIC cable and EH-02 Receive-Only Adjustable Earhook with Swivel Speaker

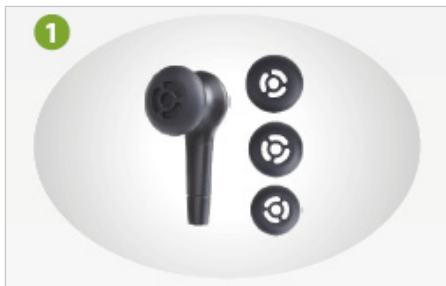
2) X1p/X1e



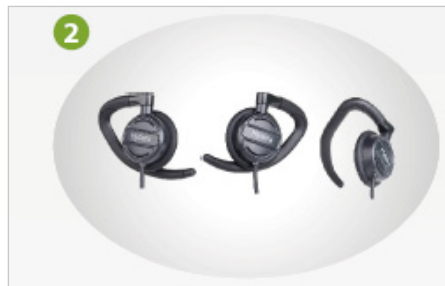
Remark:

- ESN14 Earbud is composed of ACN-02 PTT& MIC cable and ES-01 Receive-Only Earbud;
- EAN22 detachable earpiece with transparent acoustic tube is composed of ACN-02 PTT& MIC cable and ES-02 Receive-Only Earpiece with Transparent Acoustic Tube;
- EHN21 C-Earset is composed of ACN-02 PTT& MIC cable and EH-01 Receive-Only C Style Earloop;
- EHN20 swivel Earset is composed of ACN-02 PTT& MIC cable and EH-02 Receive-Only Adjustable Earhook with Swivel Speaker

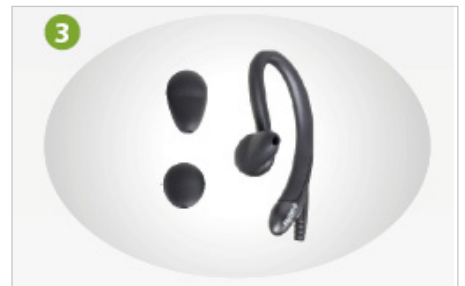
Advantage & Benefits



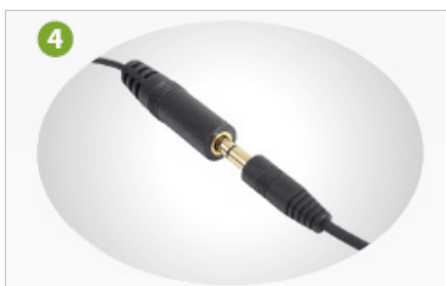
1 Different Size of earmuffs for earbud



2 Swivel Earset suitable for both right and left ear



3 Different size of earmuffs for C-earset



4 Enhancement on the 3.5mm audio connector



5 IP54 Water & Dust protection level; On-MIC PTT



6 Comfortable transparent acoustic tube

2.3 Smart Dispatch V3.6.2.12222 release

1. V3.6 license file

It is the same with V3.5. V3.5 will be stopped for delivery. It is suggested to upgrade the V3.5 to V3.6 in current network.

2. Database backup

It supports scheduled and automatically database backup.

3. Import & Export radio configuration data

It supports import radio configuration data from excel file and export radio configuration data to excel file, which is easy for SmartDispatch configuration.

4. GPS reporting based on distance

It means that if the radio moves more than a certain distance, the radio reports GPS information to SmartDispatch, the distance value could be set as required.

5. Open-street map

The customer could manually add Open-street map file to SmartDispatch installation folder. Open-street map is an online free map which supports both download the map file and save locally. Then the customer could upload the map to SmartDispatch without Internet connection.

2.4 DS-6500: MD78X-based dispatch terminal release

2.4.1 High Integration and Compact design

One box integrates Industrial computer, DMR mobile radio and dispatch software together that guarantees the reliability of the system and avoids the compatibility arising from hardware and software.



2.4.2 Friendly GUI and easy to operate

Friendly design and good usability for both hardware and software, enable your operation easily and high efficient.

2.4.3 Factory Installation and Fast deployment with rich dispatching service

It enables customer deploy the dispatch center quickly with rich service, such as Voice, GPS, SMS, remote monitor, avoiding the complex of cable connection and a heap of equipments and their configurations

2.4.4 Standard package

Computer/USB interface/ Mouse / keypad/Win7 OS/DMR Mobile radio/Antenna/SmartDispatch basic package (server+ 1client+1gateway + 2 channels + 20 terminal licenses)

2.5 DMR portable repeater RD96X VHF&U1 release

RD96X is Global first digital/analog portable repeater that is compatible with the DMR standard.

2.5.1 Target Market

1. Emergency events (such as, earthquake, fire, riot, flood)
2. Temporary working environment (such as, gathering, athletic event , demonstration , security work, electric utility industry, presidential election)
3. Mobile working environment (such as, forest worker, police outdoor working, army outdoor working, field exploration)
4. Indoor coverage (Smart for hanging on wall with IP connection)



2.5.2 Highlights

1. Slim and Portable

Based on a compact design, the device measures only 42mm and weighs less than 7 Kg (including the 10Ah battery).

2. Built-in Duplexer

Embedded with an optional mini duplexer, RD96X can be slimmer in size (JieSai and Procom duplexer).

3. External Battery

With an external large-capacity battery, the device delivers an extended battery life to guarantee uninterrupted communications. 10Ah (Li-Ion)
 Battery Life: 10Ah Li-Ion (50% Duty Cycle, Hi TX Power, about 8~10 hours)

4. IP67 Compliant

Compatible with the IP67, the device can operate properly under immersion test (1 meter for up to 30 minutes).

5. Reliable and Durable

Compatible with the American military standard MIL-STD-810 C/D/E/F/G and HALT verified, the device can perform excellently in hostile operating environments.

2.5.3 Hardware configuration

RD 96X accessories



2.6 Conventional DMR 3rd Party Application Solutions

2.6.1 ZONITH Solutions



1. Target Markets

Power Plant, Prison, Fire, Hospital, Healthcare, Hotel, Manufacturing, Building Management, Education, Utilities, Public Safety, etc.

2. Brief Introduction

ZONITH Solutions focus on increasing people's safety, security, staff efficiency and situational awareness, enhancing the Power of Hytera Radios,

3. Functions

Emergency Alarming, Indoor Bluetooth Positioning, Lone Work, Man Down, Panic Button

4. Contact

ZONITH

Address: Zonith A/S–GammelKongevej 39-DK-1610 Copenhagen V, Denmark

Web: <http://www.zonith.com> Email: info@zonith.com Tel:+45 3332 4530

2.6.2 SafetyNet Locator

1. Target Markets

Public Safety, Police, Transport, Prison, Big Building, Industrial Plants, Private Security companies, Commercial, Ports, Airports, Oil and Gas companies, Mining, etc.

2. Brief Introduction

An simply and easy means of tracking and presenting on a display the deployment of your radio emergency status and subscriber fleet in both indoor and outdoor locations.

3. Functions

Including Indoor Positioning, Outdoor GPS Localization, Tracking, Text Message, etc.

4. Contact

PMR

Address: Evers House, Station Road, Chepstow, Monmouthshire NPT16 5PB, UK

Web: www.pmr-products.com Email: enquiries@pmr-products.com Tel: 01291 629333



2.6.3 Radio Locate

1. Target Markets

Vehicle, Transportation, Industrial Plants, Commercial, Private Security companies, Public Safety, Ports, Airports, Oil and Gas companies, Mining, etc.

2. Brief Introduction

A computer based location system allowing people and vehicles to be located and monitored across digital and analogue radio networks.

3. Functions

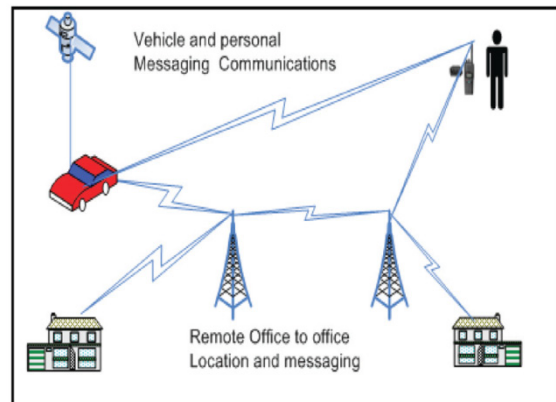
Including GPS Localization, Monitoring, Text Message, Event Security, Emergency Services, Search and Rescue, etc.

4. Contact

Data OverRadioNew Zealand

Web: www.dataoverradio.com

Email: gary@dataoverradio.com Tel: +64 9 814 8737



data over radio



2.6.4 Amcom Messenger

1. Target Markets

Hospital, Health-care, Hotels, Utilities, Commercial/Industrial, Manufacturing, Educate.

2. Brief Introduction

A Text Message based application, quick response, improving staff efficiency and patient care with timely communications and critical connectivity.

3. Functions

Quick response to critical events, Quick information share in meaningful ways with the right people, Alarm filtering, Assignment client

4. Contact

Amcom

Address: 130 Main Street Osborne Park, Perth Western Australia 6017

Web: <http://www.amcomsoftware.com.au>

Email: APACOffice@amcomsoft.com Tel: +61 8 6240 0000



2.6.5 2WBuilder

1. Target Markets

Including Police, Customs, Transportation/Delivery/Logistics, Utilities, Commercial/Industrial, Manufacturing, Hospital, Healthcare, Hotel, Education, Public Safety, etc.

2. Brief Introduction

The 2WBuilder is a tool, designed to provide developers with a powerful solution to create applications by utilizing commonly used paradigms (flowcharts, dialogs, etc.).

3. Functions

Generate Applications for Text Message based Information Delivering

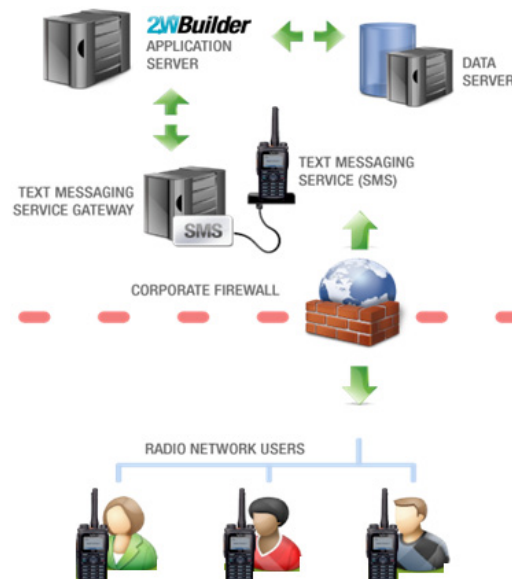
4. Contact

2WBuilder

Address: 951 Yamato Road Suite 101, Boca Raton, FL 33431 USA

Web: www.2wbuilder.com

Email: info@2wbuilder.com Tel: (561) 999-8888



2.6.6 HyTracks

1. Target Markets

Including Transportation, Utilities, Commercial/Industrial, Public Safety, Airport, Bank, etc.

2. Brief Introduction

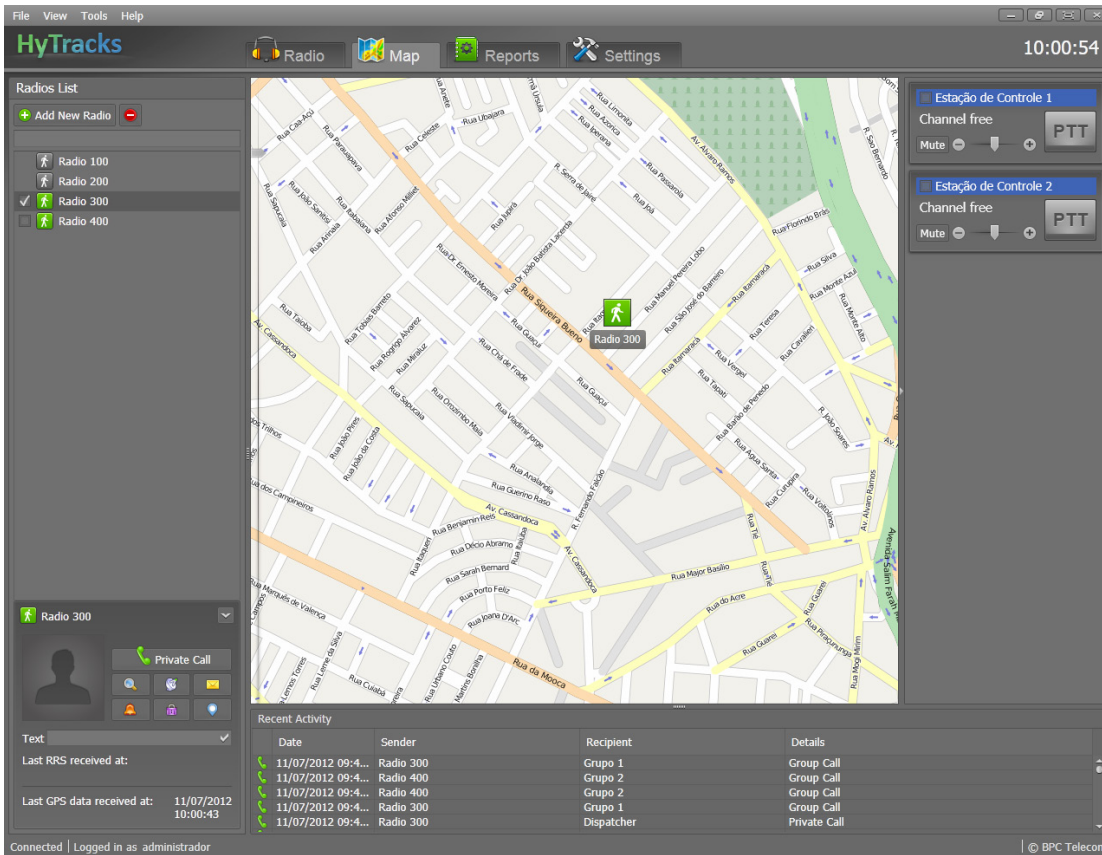
The HyTracks System is a computer based dispatch solution that allows the integration of Hytera radio system to a computer network.

3. Functions

Voice Dispatch/VoIP, Voice Recording&Playback, Real-time GPS, Text Messaging, Registration package, Enhance Report, Geo-fence, Foot Pedal, etc.

4. Contact

BPC Telecom Ltda
 Address: Rualtaqueri, 293, Brazil
 Web: www.hytracks.com.br Email: info@hytracks.com.br Tel: +55 11 2601 7589



2.6.7 TrankRanger



1. Target Markets

Including Transportation, Utilities, Commercial/Industrial, Public Safety, Airport, Bank, etc.

2. Brief Introduction

A Browser/Server Architecture based dispatching solution, helps you manage your workforce more efficiently.

3. Functions

Radio Registration Service, GPS Location, timed and on-demand, Radio Registration Service, Text messaging, Radio check, Stun, Revive, Call alert, and etc

4. Contact

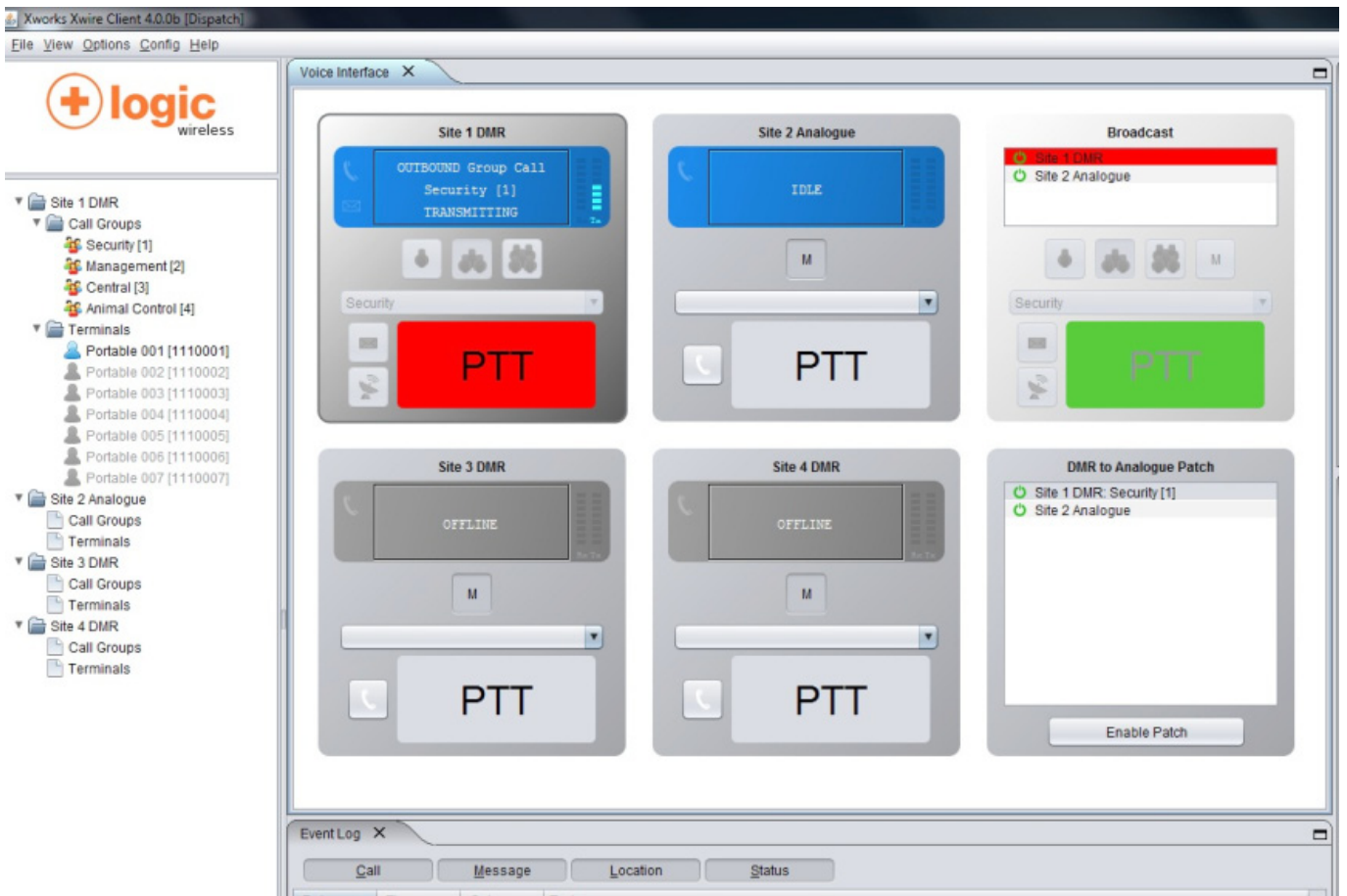
TrakRanger

Address: 78 High Beeches, Banstead, Surrey, SM7, 1NW, UK

Web: <http://trakranger.co.uk> Email: info@trakranger.co.uk Tel: 01372 700 132



2.6.8 CrossWire



1. Target Markets

Including Transportation, Utilities, Commercial/Industrial, Public Safety, Airport, Bank, etc.

2. Brief Introduction

An affordable dispatch application is based on IP connected and Client / Server architecture, and can be anywhere on your network

3. Functions

Voice Dispatch, Text Message, Location Services, Cross Patching (Communicate between different radio networks (analogue or DMR) through patches), Logging & Reporting, VPN, Touch Screen support, etc.

4. Contact

Logic Wireless

Address: PO Box 20332 Bishopdale Christchurch 8543 New Zealand

Web: <http://www.logicwireless.co.nz> Tel: 03 384 6010

2.6.9 SafeSYT



1. Target Markets

Including Transportation, Utilities, Commercial/Industrial, Public Safety, Airport, Bank, etc.

2. Brief Introduction

An innovative intelligent-wireless and PC based Dispatching Application with reliable location tracking, real-time GPS information and enhanced features.

3. Functions

Location via Real-time GPS Information, Historical Tracking, Text Messaging, Email, Voice Dispatch, Enhanced Reporting, etc.

4. Contact

Hytera

Address: 3315 Commerce Parkway Miramar, Florida 33025, USA

Web: <http://www.hytera.com> Email: info@hyteraproapps.com Tel: +1(708) 429 2803

3. DMR Trunking System New Products Release

3.1 DMR Trunking System Pro R2.02 release

Hytera DMR Trunking Pro R2.02 version was released in May, 2013.

The new functions of this version are as below.

3.1.1 DGNA (Dynamic Group Number Assignment)

With this feature, the dispatcher can establish a temporary group, which members might be the radios or other dispatchers, or delete the group. For example, the members from different groups can be grouped temporarily to handle urgency. After the urgency is handled, the group can be deleted.

3.1.2 All Call

It is a special group call initiated by a radio, and all the other radios will response within a specific area. Also this kind of call can be initiated by a dispatcher, During the all call, only the caller can talk, and called(s) can listen only.



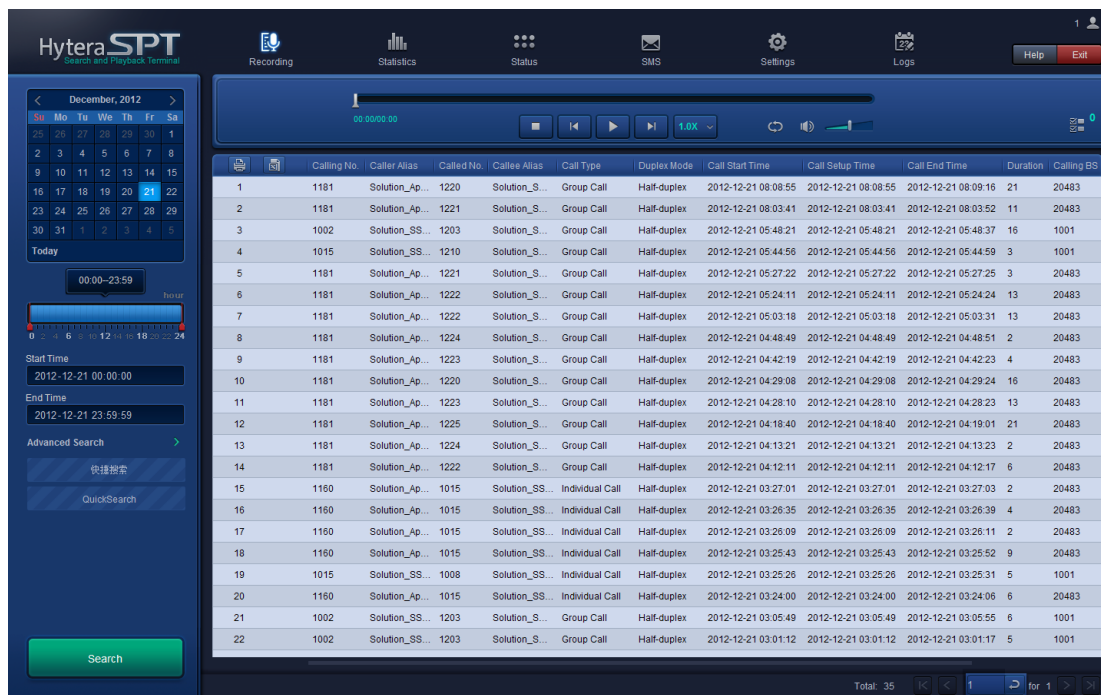
3.1.3 Full-duplex Individual Call (For Specific Mobile Radio)

After the full-duplex individual call is established, both the calling radio and the called radio can simultaneously talk and listen. The full-duplex individual call can be supported only between mobile radios in this release. The full-duplex individual call from the mobile radio to the dispatcher or to the PSTN/PABX terminal will be supported in R2.5 version. And this function can be support in 136-174MHz band only in this version.

3.1.4 Digital Voice Recording System

The system can record any kind of call in the system automatically according to the system configuration.

Recording service contains digital voice recording, recording storage, recording retrieve, recording data backup and API support.



3.1.5 End to End Encryption(DMRA)

The end-to-end encryption can encrypt voice between the radios. The secret can be up to 256 bits.

3.1.6 Authentication

It means the terminal and the system will authenticate mutually via the specific encryption algorithm while the terminal is registering. If the system fails to authenticate the terminal, it will reject the registration by the terminal. If the terminal fails to authenticate the system, it will leave the current base station.

3.1.7 ESN Check

The ESN is the unique identification assigned by the manufacturer to the DMR terminal.

The ESN check allows the system to check the validity of the terminal asking for service via the ESN. Generally, it is triggered when the terminal makes a location registration.

The system only accepts the registration request from the terminal passing the ESN check, and allows it to use the services available in the system.

3.1.8 Stun/Revive and Kill

3.2 New Brochure for DMR Trunking System Pro release

With the release of the DMR trunking system pro. R2.02 version, some new functions have added into the trunking system. In order to better promote this product, Hytera published the latest brochure for DMR trunking system pro in April 2013. We optimize the description from the original text and switch the old product photographs. In addition, the overall structure has been adjusted. And the whole style has been beautified. This new DMR trunking system pro. Brochure contains system overview, system structure, DMR trunking base station, system key features, network management system, dispatching system, digital voice recording system, terminal highlights and base station specifications, and etc.

3.3 DMR trunking duplex mobile radio release

In order to satisfy higher demand for professional customers, Hytera released a DMR trunking duplex mobile radio in May 2013. This product is based on DMR Tier 3 standard. Compared with ordinary mobile radio, Hytera DMR trunking duplex mobile radio realizes simultaneous two-way voice communication without pressing the PTT during calls with full-panel hand microphone. Customers could make the communication more conveniently and exactly. 136~174MHz band could be supported in this version.



3.4 DS-6801 Emergency Communication System Internal release

DS-6801 Emergency Communication System internal released on 15th, May. The official release will be available by the end of August.



The highlights for DS-6801 including:

1. Portable design with carbon material, light weight, small size, easy to move and deploy.
2. Variety of flexible video-capture means, stable long-distance video transmission.
3. Integrated audio & video control and storage, Variety of I/O interfaces.
4. Multi-system (PSTN, GSM, Tetra, DMR, Shortwave, etc) voice dispatching, interconnection
5. Supporting up to 6-party conference call for on-site dispatching.
6. HD、highlight and multi-mode supervision display.
7. Built-in MIC, touch screen operation, easy to use.
8. Modular design, easy for maintenance.

4. Latest Marketing News

4.1 Hytera breaks through TETRA market in North America

Georgia, U.S., July 2013 - Hytera Communications and its local partners signed agreement with two Georgia utility companies, Cobb Electric Membership Corp. (EMC) and Diverse Power, and Hytera will supply TETRA systems. It makes Hytera the first one that breaks into the TETRA market of North America after the FCC allowed TETRA use in two bands, UHF and 800 MHz spectrum in September 2012.

Cobb EMC is a non-profit electric membership cooperative providing electric energy in north metro Atlanta and Southwest Georgia. After Cobb EMC did a thorough job with the specs and provided the request for proposals (RFP), Hytera believed that the best possible solution would be TETRA since they required the access to UHF 450 – 470 MHz 25-kilohertz channels, formerly for paging, to help facilitate the buildout. The agreement with Cobb

Electric Membership Corp. (EMC) includes a four-site UHF TETRA system and 340 subscriber units, which mostly are portables. In the future Cobb EMC might deploy another mobile site for Cobb EMC to maneuver where it needs coverage.

Diverse Power is a member-owned electric cooperative that provides reliable electric energy-related services in Georgia and Chambers County in Alabama. It is partnering with Hytera dealer Dean's Commercial Two-Way to facilitate its combined TETRA buildout of eight-site and more than 140 subscriber units which also uses 450 – 470 MHz spectrum. The networks will likely launch this year, which will mark Hytera the first one that has commercially operational TETRA networks project in the United States.

4.2 Hytera mobile radio system of the Dessau Municipal Works proves itself in a disaster

Dessau/Bad Mnder, Germany, July 2013 - The Dessau Municipal Works coordinated the crisis situation in June 2013 with their new DMR trunked radio system from Hytera.

Because of the high waters in June 2013, a disaster situation was declared in the city of Dessau. To secure the radio communication in the concerned region, the digital mobile radio system from Hytera was successfully started up. Because of the immediate availability and reliability of the communication, the crisis management group of the Dessau Municipal Works could avert further damages to the region and gain a first impression of the performance capability of the system.

At the time of deployment for the crisis, the mobile radio system

was already in the final phase of completion. The immediate commissioning for the crisis operation ran smoothly. Overall, Hytera handheld radio devices (PD785G) were in operation for the crisis management group. The Dessau Municipal Works were impressed with the operational capabilities.

The mobile radio system based on the open mobile radio standard DMR TIER III presents the Dessau Municipal Works with a powerful voice and data communication. The installation consists of an exchange node and two base stations. The two radio cells cover the regions Dessau as well as Dessau-Rolau. Following the crisis operation, the site acceptance in Dessau was performed successfully, so that the mobile radio system was officially accepted by the operating company DATEL.

4.3 Hytera at RFUANZ 2013

Wellington, New Zealand - The Radio Frequency Users Association of New Zealand (RFUANZ) Conference & Exhibition was held on 16-17 May at Te-Papa in Wellington which attracted over 230 participants from both sides of the Tasman. Hytera was the Principal and Project Excellence Award sponsor. This year's event provided Hytera and Logic Wireless (New Zealand Distributor) with an opportunity to showcase its products and educate delegate. Scott Heywood (Logic Wireless, Director) and Monique Princen (Logic Wireless, Business Manager) provided an excellent presentation which detailed how to add value by deploying Voice and Data Solutions. They also discussed case studies of

deployments within the New Zealand Market, the lessons learnt from each deployment and how the customer has benefited by enhanced services such as PC based voice dispatch, text messaging and GPS services.

The Industry Excellence Awards were presented at the RF Industries-sponsored gala dinner. Award winners in five categories were recognized for their commitment to achieving excellence within the radio communications industry. The Project Excellence which is sponsored by Hytera Communications was awarded to Jack Frost.

4.4 Hytera Mobilfunk GmbH and berolina elektronik GmbH provide for secure communications at Mercedes Benz in Berlin, Germany

Berlin/Bad Mnder, Germany - berolina elektronik GmbH headquartered in Berlin, Germany, equips Mercedes-Benz engine factory in Berlin-Marienfelde, Germany, with Hytera TETRA radio technology.

As a local partner of Hytera Mobilfunk, berolina elektronik GmbH equips the factory fire brigade of Mercedes-Benz at the engine factory in Berlin with state-of-the-art TETRA radio technology. The radio system is used in the factory for the communication of the factory fire brigade during fire service drills and operations, i.e. for the safety-critical communication between action forces, the officer-in-charge and the control centre. Especially with fire

brigades, the success of the operation depends on the reliability and robustness of the material used since any equipment defect may result in the loss of human life. For this reason, berolina and the factory fire brigade have decided on an ACCESSNET-T IP TETRA communication system supplied by Hytera Mobilfunk GmbH.

"... this system covers almost any communication requirement in the plant, irrespective of whether lone worker protection, the Electronic Information System (EIS) or works safety is involved" says chief of the factory fire brigade in Berlin Marienfelde, Germany, Herr Jrg Massierer.



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