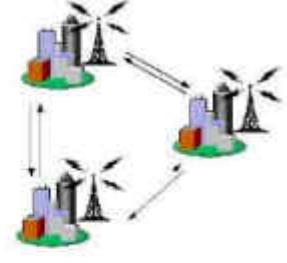


TL-Net™



Wide Area Two-Way Radio Networking For Conventional and LTR Trunking Systems

Connect multiple repeater sites to create a seamless wide-area LTR® trunking network.

Expand



Your



Reach...

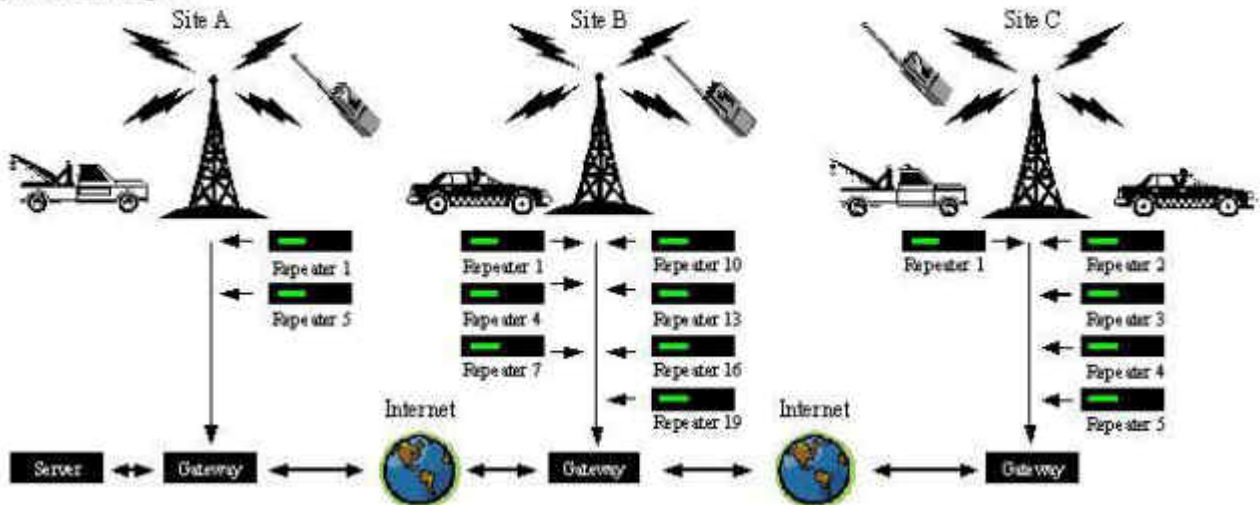


Even Further!

How Does It Work ?

TL-NET combines all the features of single-site LTR with our VoIP backbone to provide a multi-site LTR trunking solution. All the benefits of single-site LTR are maintained except now it's multi-site. All dispatch calls are made using transmission trunking. Setup between sites is extremely fast! In fact, just as fast as handshaking with the local site. Your customers will notice no difference other than their range is extended.

System Example:



How Do I Use It ?

Our system works with standard LTR® capable radios from Icom, Kenwood, Motorola, and many others. Use your existing equipment! No special option boards to install, firmware upgrades or special radio programming required. Each site's Gateway supports a web server that allows you to control and monitor your system from a PC with an Internet connection. From a web browser you can validate/invalidate talk groups, adjust TX voice and data levels, enable/disable network access and much more.

What Equipment is Required?

- * Each site requires a high-speed Internet connection which can be a T1, cable modem, or DSL.
- * Each repeater site consists of one **TL-NET Gateway** and an array of repeaters. The Gateway connects your system to the internet and manages the audio channels to and from the repeaters.
- * One **TL-NET Server** is required to oversee the entire network. The Server can be located anywhere.
- * One TL-NET LTR controller is required per repeater. To meet this need we offer two choices: You can go with our **CS-540TL-Net Repeater/Controller** package, which combines our RF equipment with the TL-NET LTR controller, or you can purchase the **TL-NET LTR controller** by itself to connect to your own RF equipment.

Contact us for more information on these options. **E-Mail Click On >>> wb9mcw@gmail.com**

TL-Net Gateway

Our Gateway offers rugged power with 120 VAC operation in a 2U 19" rack mount. Each unit includes a cooling fan, network connections, and an easy web-based user interface.

Each Gateway you purchase will include the following:

- * 1 to 16 - Channels
- * 1 - Gateway Software, with web interface
- * 1 - 120 VAC Power Supply
- * 1 - 2U 19" Industrial Enclosure
- * 1 - Interface cable for controller



THE TL-NET GATEWAY AND THE TL-NET SERVER LOOK VERY SIMILAR

THE SERVER CAN BE INDEPENDENT OF THE EQUIPMENT SITES
AND LOCATED ANYWHERE HIGH SPEED INTERNET IS AVAILABLE

TL-Net Server

The Server provides a voice bridge between multiple radio sites, connecting all audio paths.

For example:

The audio from ch1 at site A is connected to ch1 at site B, site c, site D and so on.

The audio from ch2 at site A is connected to ch2 at site B, site c, site D and so on.

The audio from ch3 at site A is connected to ch3 at site B, site c, site D and so on.

The TL-Net Server is set-up and configured using a user-friendly web interface. No CRT or keyboard is required. The interface can be accessed using any computer with an Internet connection. In addition, each Server includes 120 VAC power with no internal adjustments or switches to set.

CS-540TL-NET Repeater/Controller

All-in-one unit containing our 40W FM Repeater and TL-NET LTR Controller.



TL-NET LTR Controller

Each 1U chassis can contain up to three TL-NET LTR controllers to connect to your RF equipment.



Description

The TL and TL-NET LTR dispatch controllers are the smallest and simplest LTR controllers on the market. Each controller is the size of a 3 X 5 card and three can be placed side-by-side in a 1U chassis, saving valuable rack space.

Features of Both Models

- * Easily Interfaced. Works with any repeater on the market.
- * LTR Dispatch. 20 repeaters per system, 250 group IDs per controller.
- * Easy to program and test using our innovative Windows®-based Control Manager software.
 - * Air time logging and real-time system monitoring.
 - * ID validation. If group ID is invalid, handshake will not complete.
 - * Built-in CWID.
- * Valid repeater array. Each controller has its own list of approved controllers. Safely trunk calls to valid repeaters which allows for staged system/fleet upgrades.
 - * Remote programming/maintenance via DTMF.
 - * Conventional operation supported.
 - * TL version firmware upgradeable to TL-NET.

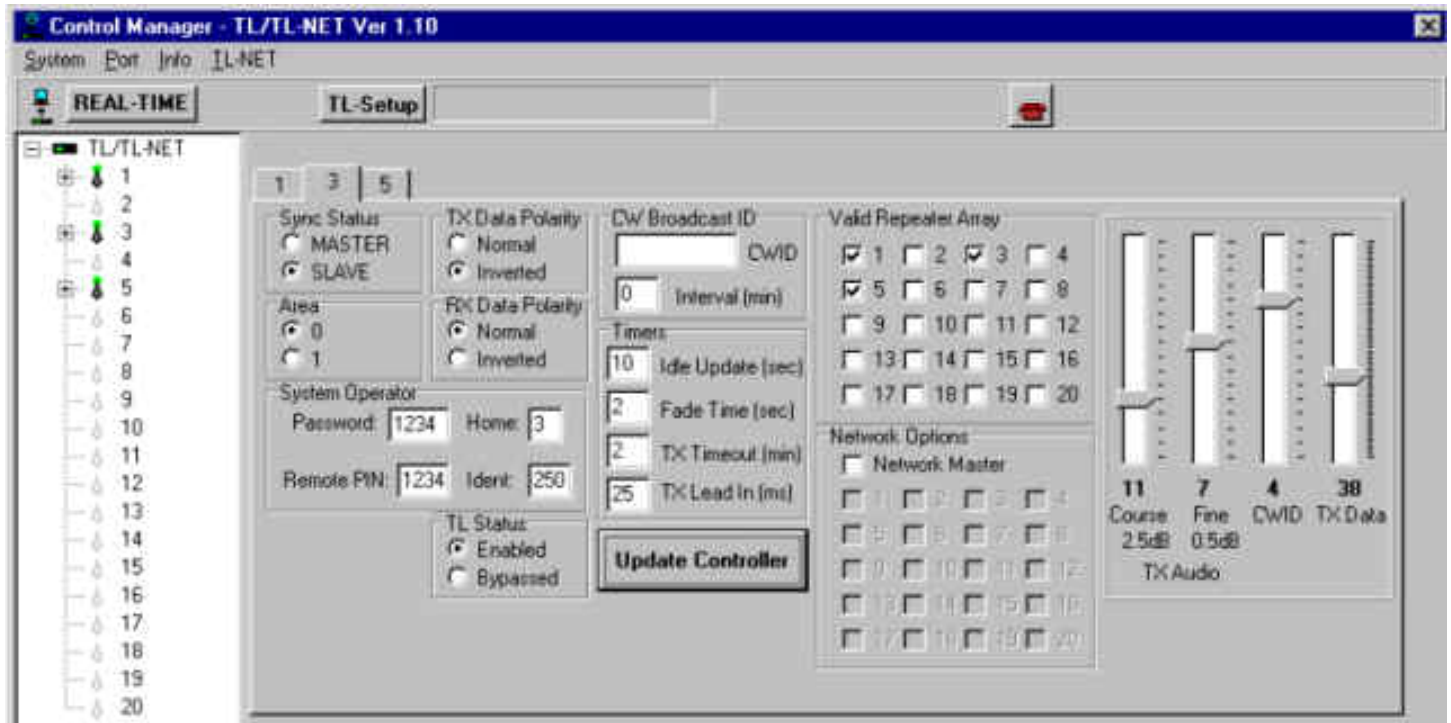
Features of TL-Net Controller Only

The TL-NET version allows for interfacing your LTR controllers to the TL-NET wide-area trunking system. The TL-NET system allows multiple repeater sites to be linked together, creating a wide-area trunking network.

CONTROL MANAGER Software:

Our innovative Windows®-based Control Manager software allows you to setup, program, and test the many LTR® controller parameters quickly and easily:

- Area Bit, SYNC Status, RX and TX Data Polarity, Repeater Number
- Password, SYSOP Home/IDENT, Remote PIN
- Validation Tables
- TX Audio, TX Data, and CWID Levels
- Idle Message Update Timer, Fade Timer, TX Timeout Time, and TX Data Lead In Delay

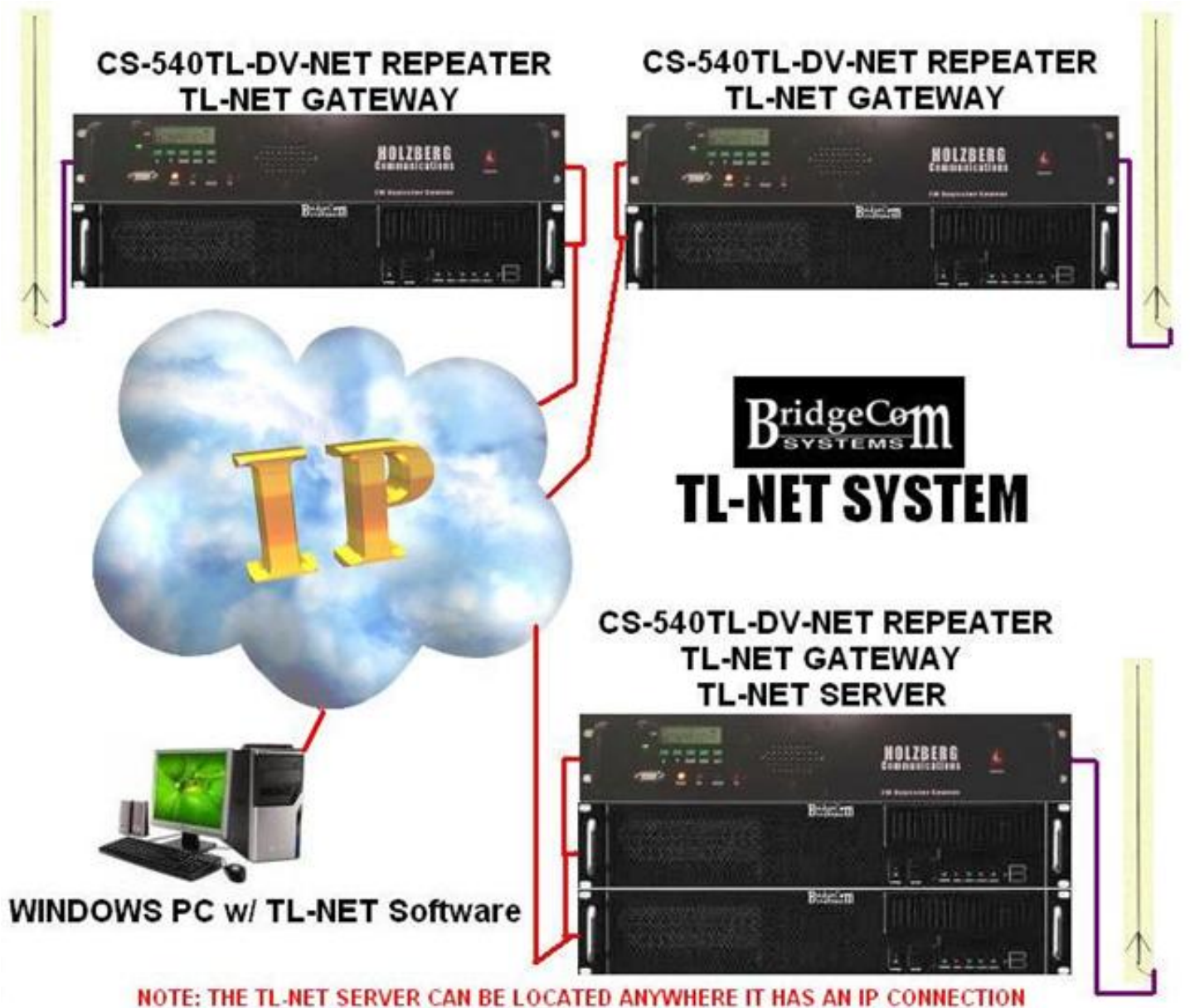


SPECIFICATIONS for Both Models:

- Transmit Audio – 0-2.5 V pk-pk
- Receive Audio – 0-5 Volts
- Transmit Data – 0-2.5 V pk-pk
- PTT Output – Open Drain Pull to Ground
- COR Input 5V Active Low
- Repeater and Control Bus – RJ45
- TL-NET Audio Bus – RJ45

What are the Key Features ?

- * **NEW! Server to Server technology.** Airtime service providers can connect their TL-Net systems together.
Expand your customer base even further!
 - * **NEW! PC Client.** Turn a desktop PC into a dispatch console.
 - * **Call database.** Retrieve a complete log of system activity.
- * **Transmission trunking between sites.** Remote sites are brought up as fast as handshaking with your local site.
 - * **Excellent audio quality.** No loss of syllables on front-end or back-end of transmissions.
 - * **Site specific calling.** Give customers access to the sites they need.
 - * **Push to register.** Use sites only when needed.
 - * **Uses existing standard LTR capable radios.** No radio upgrades required.
 - * **Networking equipment is easy to install and requires only one static or dynamic IP address per site.**
 - * **Network up to 20 repeater channels per site on just one IP address.**
 - * **Pass MDC 1200 and Fleetsync data between sites.**
 - * **Manage your entire system from any computer connected to the Internet.**
 - * **Lowest cost per wide-area channel in the industry.**



This system can run trunked repeaters as well.
Since the trunking controller is built right in every BridgeCom CS-540 series repeater.

The TL-Net Server can run anywhere it has an IP connection.
So it could be with the Windows PC or at any of the repeater sites.

CLICK ON >>> [BRIDGECOM ENTIRE PRODUCT LINE CATALOG](#) <<< CLICK ON

TL-Net™

Wide Area Two-Way Radio Networking For Conventional and LTR Trunking Systems

Server to Server Example:



After looking at all of the choices for our wide-area system we chose Bridgecom's TL-Net. After our build-out of the Chicago metropolitan area is complete, we plan to expand the system into Wisconsin and Indiana. Bridgecom backs up their awesome product with excellent support.

Frank Anderson, CEO
A Beep, LLC.
Chicago, IL

CELWAVE
DIVISION OF RADIO FREQUENCY SYSTEMS, INC.

**455-5N SUPER
STATIONMASTER
10 dBd ~ 20' antenna**



**LMR 400
LOW LOSS COAX**



LMR 400



N TYPE CONNECTORS



**LIGHTNING
ARRESTER**

**GROUND
ROD**



BridgeCom CS - 540 UHF REPEATER SYSTEM

BridgeCom SYSTEMS  **CS-540**





**2-YEAR FACTORY WARRANTY
FROM BRIDGECOM**

AVAILABLE FROM



&



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