

BridgeCom
SYSTEMS



CS-540

FAQ's



The ComLink CS-540 by BridgeCom Systems provides a feature rich repeater platform to meet a variety of communications needs. Packed with 40 Watts of RF power, this dual fan-cooled unit can become a community repeater, a 16 channel base station, manage a channel in an LTR trunking system, and much more.

MODEL CS-540V ~ VHF (144-174MHz)

MODEL CS-540U ~ UHF (440-480MHz)

HAM RADIO ~ GMRS ~ PUBLIC SAFETY ~ COMMERCIAL

>>> FAQ's <<< FREQUENTLY ASKED QUESTIONS

Q - The instructions talk a lot about multiple users and controlling multiple users. I didn't really see anything that unequivocally said the repeater could easily be setup to retransmit any signal it receives with the correct subaudible tone. Can it do this; I assume it can but never saw that specifically stated.

A - The repeater will decode a PL/DPL tone and retransmit the associated PL/DPL assigned to the user.

Q - Is there a way to setup the repeater so that it required a PL tone to turn it on but the PL tone is not transmitted? I would like the ability to restrict repeater access to those people who know the PL frequency. Since many modern radios will detect and display that frequency, this is only an effective way of controlling users if the tone is not retransmitted.

A - During remote control the SYSOP PL or DPL is not retransmitted.

Q - As far as remote controlling is concerned, the main thing I would want to do is just disable and enable the repeater. Can I do that?

A - Yes. You can simply enable/disable the PL/DPL tone used which renders the repeater disabled.

Q - Are the controlling touch tone numbers/letters themselves retransmitted?

A – No the tones are not retransmitted

Q - What prevents anybody who has a copy of the manual from knowing how to control the repeater?

A - There is a 4 digit PIN used in each of the remote control messages.

Q - I didn't see anything that listed the frequency stability?

A - The UHF is 1.0 ppm and the VHF is 2.5 ppm. - These meet commercial specifications.

Q – What is the typical shipment time between ordering and shipment the repeater?

A - If ordering a duplexer with the repeater, the turn around time is about a 1- 2 weeks. When not ordering a duplexer, then the lead time is less than one week if we do not have any back orders. Just ask us at order entry time and we will be glad to give our best estimate basis on our current production schedule.



**2-YEAR FACTORY WARRANTY
FROM BRIDGECOM**

Features

- Easy to use Windows based programmer and no expensive programming box required!
- Built-in high capacity 'tone panel' that supports up to 64 users per channel. 50 CTCSS tones and 112 DCS codes available per channel.
- Reliable and fast sub-audible decoding
- Excellent Receiver Sensitivity of 0.25µV
- Remote Programming and maintenance via DTMF
- Built-in high-efficiency 10A switch-mode power supply
- Automatic Battery Backup with built-in charging circuit
- 19" rack mount chassis-2U in height
- 12.5 kHz/25kHz channel spacing
- 25-pin Accessory Connector
- Dual Cooling Fans
- Air-Time Logging per user
- Keypad Lock
- 100% LTR compatible with **Built-in LTR decoder**
- Programmable CW ID per channel
- Courtesy Tone and Hang timer per User
- External Speaker-Out
- Programmable RF Power 0-40 Watts
- 19" Rack Mount Chassis-2U in height
- Internal Duplexer (optional)

FOR PRICING CALL >>> 1-815-790-4494 <<< ASK FOR BRYAN

~~~ NO ONE CAN BEAT OUR BRIDGECOM REPEATER PRICE ~~~

OR E-MAIL US >>> wb9mcw@gmail.com

CLICK ON >>> [CS-540 DATA SHEET PDF](#) <<< CLICK ON

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Dear BridgeCom Systems, Inc.,

I wanted to express our appreciation for your tireless efforts in creating the ComLink series model CS540. Our initial installation included several other brands such as Motorola, Ritron and Kenwood repeaters. While all of them function, your product has really impressed me with its functions that are standard issue with the CS540. The LTR decoder right on the front of the unit, keypad lock, internal speaker w/volume control all are invaluable to me as a technician when monitoring, servicing and installing the units.

BridgeCom Systems has proven to me they can develop a quality product that has met my expectations and requirements. Interfacing their repeaters with my Trident Raider LTR controllers couldn't have been any easier. They provided excellent technical support that went

above and beyond the call of duty to ensure a seamless integration at my tower sight. I look forward to and expect more great products and continued excellent service.

You and your staff have really put together an awesome repeater here that is priced right and performs top of the line. As a side note, we had our air conditioner break down shortly after we installed your boxes. The transmitter room temperature got as high as 109 degrees. I am happy to report that the CS540 never missed a beat! It just kept going and going even though it was our home channels and they were transmitting virtually non-stop!

Good job, keep it up.
Jim O'Donohue



My name is Gerald Kerler. I have had my CS540 for approx. 3 months. It operates flawless and is very easy to make programming changes. I think, if you compare features and quality received for dollars spent, the BridgeCom will win hands down. Ron Kochanowicz at BridgeCom is good to work with and will be glad to answer any questions you may have.

UPDATE (2-2009)

I am very pleased with the repeater. I have it at a remote site on my farm. About 100' HAAT with the Tram 6.5db antenna about 15' off the ground. It is powered by two deep cycle marine batteries. It gets about 15 to 20 minutes of talk time a day at 15 watts. I change the batteries (2) out about every 28 to 32 days and they are still in every case between 11.65 to 11.85. Starting voltage is around 13.25 give or take a tenth. The repeater is truly a mizer on power consumption. By the way, that is with the display backlite OFF. Come spring, the antenna goes from 15' to 70', 80 to 100 watt solar panels and increase the on site batteries to 4. So at that point, it should be good for all situations.....

Installed the repeater at the remote site June or July of 2007. By the way, the repeater is not fussy about its environment. It lives in a 1960s vintage Motorola Outdoor waterproof cabinet that I refurbished. So the only temperature / humidity control is the floor and side vents get closed in the winter and open in the summer. The batteries are in a separate insulated box outside the cabinet. The antenna mast is attached to the cabinet. So by that you can see that Bridgecom repeaters do not require a fancy high dollar climate controlled home.....

Gerald Kerler
WD4GTJ / WQFZ754
dieseltruk@windstream.net

Gerald has been running the repeater for years now send him an E-mail and let him tell you how well it has performed for him.

WHY YOUR NEXT REPEATER SHOULD BE A



FROM



#1 ~ \$\$\$ BEST PRICE ON THE INTERNET
OR ANYWHERE FOR THAT MATTER \$\$\$



#2 ~

USA MADE

**CAN YOU ACTUALLY CALL THE MANUFACTURE DIRECT
AND TALK WITH THE PRESIDENT OF THE COMPANY
WHO MADE YOUR REPEATER?
WITH A HOLZBERG/BRIDGECOM REPEATER
YOU WILL BE ABLE TO DO EXACTLY THAT !!!**

#3 ~ TWO YEAR WARRANTY

**#4 ~ COMMERCIAL GRADE !!!
THOUSANDS OF CS-540 REPEATERS ARE
IN COMMERCIAL SERVICE EVERY DAY
RUNNING ALL OVER THE WORLD**

**#5 ~ PROGRAM BASIC COMMANDS OVER THE AIRWAVES
AND PLUG IN RIGHT OFF THE FRONT PANEL FOR MACRO
PROGRAMMING WITH WINDOWS PC BASED EASY TO USE FORMAT**

**#6 ~ RUN ON 12 VDC OR 117 VAC
YOU CAN SOLAR POWER YOUR REPEATER
WITH DEEP CYCLE BATTERIES
AND ACTUALLY RUN YOUR CS-540 REPEATER
FOR FREE 24/7/365
WE HAVE USERS DOING IT NOW !!!**

**#7 ~ AUTO POWER BACK UP
AUTO X-FER OF POWER FROM AC TO DC
WHEN ACPOWER FAILURE HAPPENS
NO INTERRUPTION OF SERVICE**

**#8 ~ BUILT IN BATTERY TENDER
KEEP THE DEEP CYCLE BACK UP BATTERIES
IN TOP NOTCH SHAPE WITH THE BUILT IN
BATTERY CONDITIONER CIRCUIT
ALL AUTOMATIC ~ 24/7/365**

**#9 ~ TRUNKING BUILT IN
FOR COMMERCIAL USERS THE
LTR DECODER IS BUILT IN TO THE CS-540 ALREADY**

CLICK ON >>> ["LTR" - LOGIC TRUNKED RADIO - INFO PDF](#) <<< CLICK ON

**#10 ~ TL-NET SYSTEM
NEED TO LINK REPEATERS OVER A WIDE AREA?
EASY TO DO WITH THE CS-540
USE THE POWER OF THE INTERNET**

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**DOWN LOAD THE USER MANUAL AND READ ALL
ABOUT OUR CS-540 REPEATER
SELL YOURSELF ON THIS GREAT BARGIN USA MADE REPEATER**

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