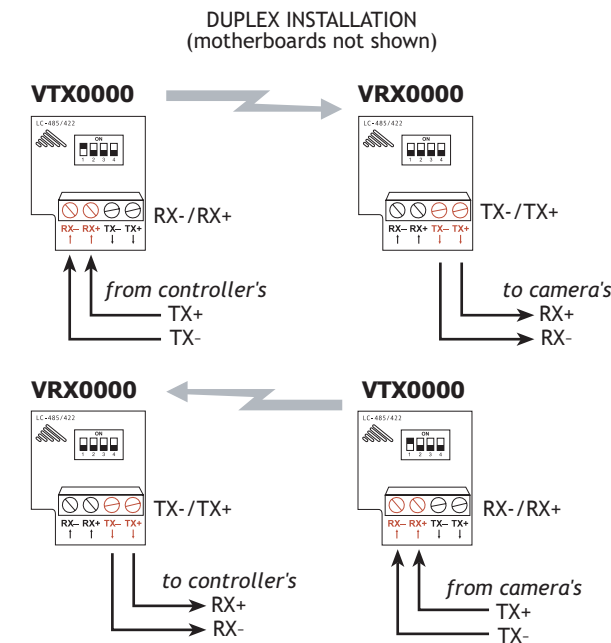


SIMPLEX INSTALLATION



DUPLEX INSTALLATION  
(motherboards not shown)

The LC485/422 is used to interface RS-422 and RS-485 data transmission equipment to Trango Systems, Inc., video transmitters and receivers that are operated in data pass-through mode. The LC485/422 is compatible with both 2500 and 5900 units.

### Installation and Use

*Important! Handle the LC485/422 either at a static-protected workbench or after grounding yourself by touching the antenna connector of the transmitter or receiver. Do not touch any of the components on the*

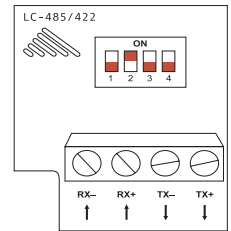
1. Use CBLDAT-1 to configure data pass-through mode on the transmitter and receiver.
2. Before installing the LC485/422, it is a good idea to remove any cable connected to the "R Audio" input, as it will not be used as long as data pass-through mode is active.
3. Make sure that the switch on the motherboard is set to "Alm/Data Mode On".
4. Remove the #4 screw next to the JP1 header with a Phillips screwdriver.
5. Screw the 3/4" standoff supplied with the LC485/422 into the hole that the #4 screw was just removed from.
6. Set termination (via the DIP switches on the LC485/422 daughterboard) to the appropriate use. Transmitters set to RS-485 mode should have switch 2 on (and the other three off); transmitters in RS-422 mode should have

switch 1 on. Receivers in RS-485 mode should have switch 4 turned on; receivers in RS-422 mode should have all switches off. If the receivers are in a daisy chain and other equipment is terminating the line, then all switches should be off; likewise, if RS-485 drivers other than the VTX2500 and VTX5900 are located in the same end of the twisted pair, only one of the drivers should have a termination resistor set.

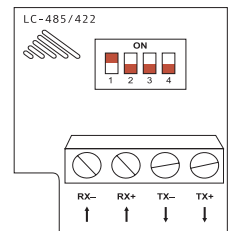
7. Align the four pins of the LC485/422 with the JP1 header and align the hole in the daughterboard with the standoff that was just installed on the motherboard. Push down gently.

8. Fasten the twisted-pair cable to the terminal block of the daughterboard. Trango recommends Belden 8102 for non-plenum and Belden 88102 for plenum. Make sure to install the cable through the flanges on the transmitters and receivers.

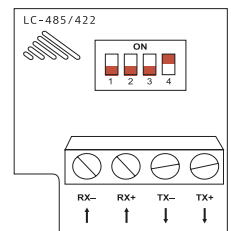
TRANSMITTERS  
IN RS-485 MODE



TRANSMITTERS  
IN RS-422



RECEIVERS  
IN RS-485 MODE



RECEIVERS  
IN RS-422 MODE

