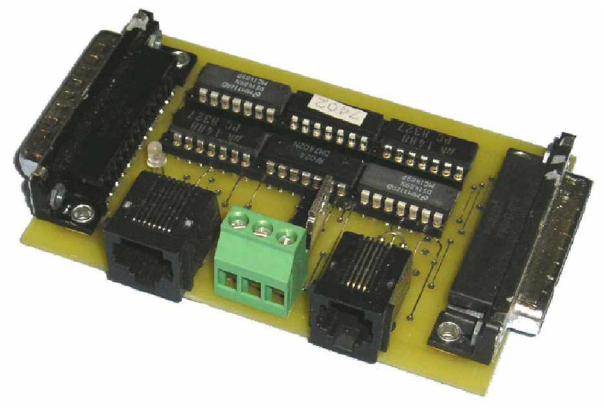
Code Dynamics, Inc.

Port Splitter

Thank you for purchasing the "Port Splitter". With this product, you can utilize a single Andover port for both the modem and PC connections. This device connects to the RS232 port with the following Andover Controls products – AC4+4, AC8, AC8Plus, AC256, AC256Plus, Infinity CMX and CX controllers.



AC4+4, AC8, AC8Plus systems:

This configuration is used when a faster baud rate is desired. Both the AC4+4 and the AC8s have modem connections separate from the C-Port and thereby allow PC/Modem connectivity simultaneously. The problem is that the original Andover modem was only 1200 baud at best and this forced the PC connection to the same baud rate.

The "Port Splitter" allows the use of a high-speed after-market modem to be used in place of the Andover modem. The Andover modem must first be unplugged from the controller and the new "Port Splitter" will use the C-Port connection to connect to the new modem and PC.

AC256, AC256Plus systems:

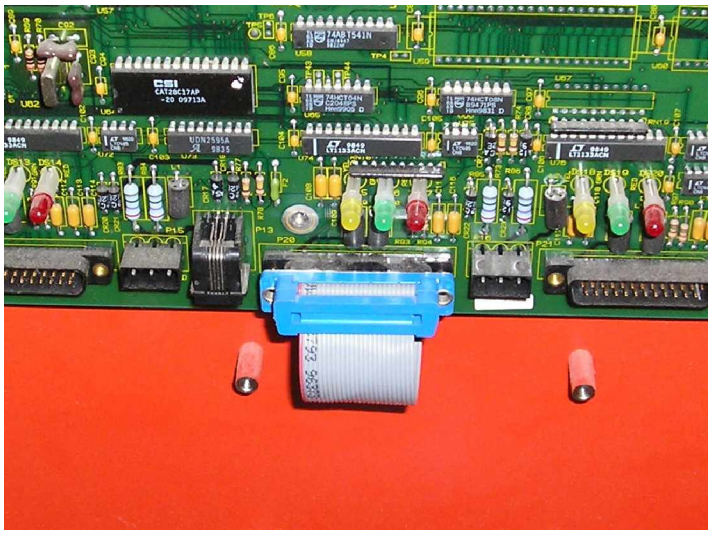
Most AC256 systems already use a splitter for dual connectivity with the Andover modem and PC. In this arrangement the "Port Splitter" will literally take the place of it. When connected, you may place an after-market high-speed modem to achieve baud rates up to 19.2K. Some AC256Plus systems connect the Andover modem via an edge connector located at the top of the circuit board. If connected in this manner, the Andover modem already allows direct connection with a PC at higher baud rates. The benefit in using the "Port Splitter" is to achieve the faster dial-up baud rate via a faster modem.

Infinity systems:

The Infinity systems come with a 9600-baud modem. Unless you need a baud rate of 19.2K, you can continue using the Andover modem that came with the system. The "Port Splitter" is extremely useful where there are a limited number of ports. For CMX systems with a 1200-baud internal modem, just unplug the phone connection to it and use the "Port Splitter" for a higher baud rate modem.

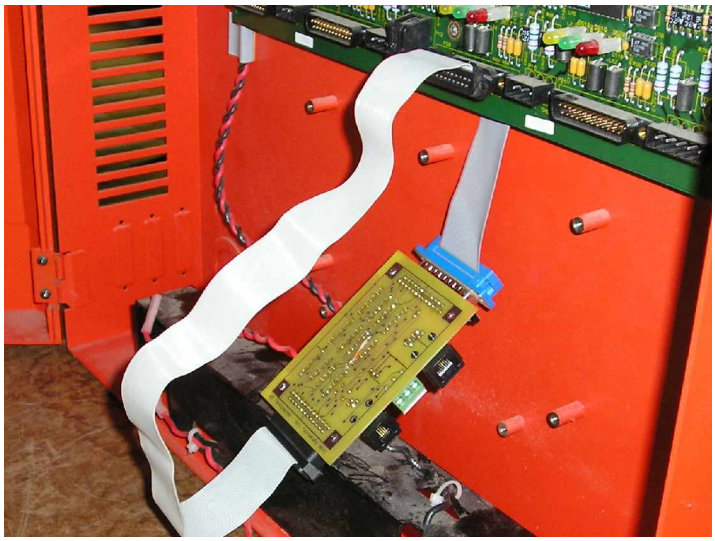
Installation Instructions

Step 1



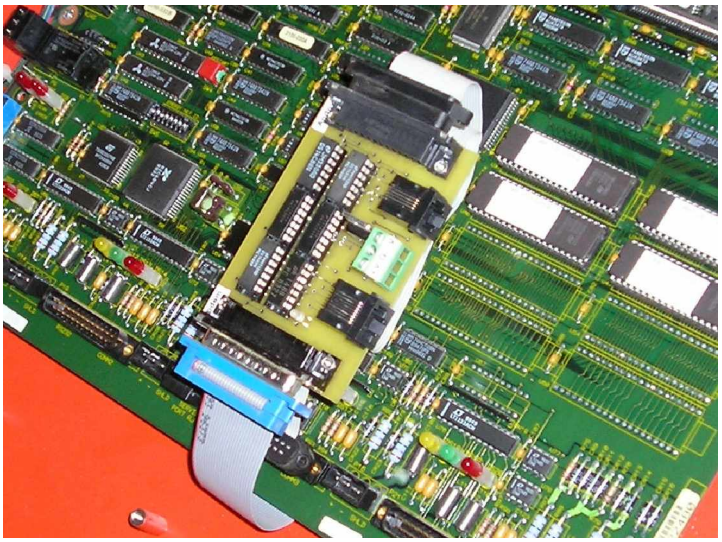
Find the RS232 port that has the modem ribbon cable attached. Unplug the modem cable from the controller port. If you have a system with the modem internal on the board, just unplug the phone connection to it.

Step 2



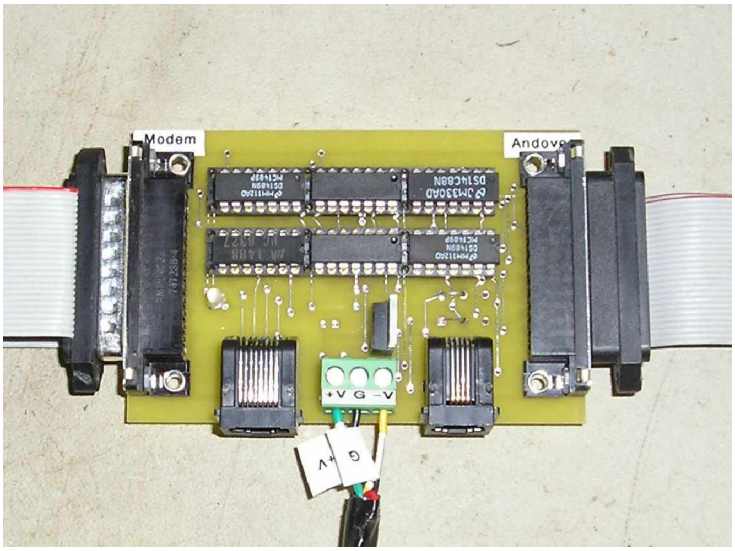
Plug the Andover modem ribbon cable into the side of the "Port Splitter" labeled Modem. If installing in an Infinity or AC256Plus controller, use the extended ribbon cable that came with your "Port Splitter" and connect the Andover side of the splitter to the Andover port on the controller board. The old style AC256 boards don't require the additional ribbon cable – you can just plug the "Port Splitter" right into the Andover's C-Port.

Step 3



The “Port Splitter” can be mounted in any number of ways depending on your particular type of controller. If there is a bezel plate covering your circuit board then it can be attached using standard double-sided tape. Be sure there is clearance for the door to close without hitting the surface of the splitter. If installing in an Infinity CX9200, it can be mounted on the door above the Andover modem.

Step 4

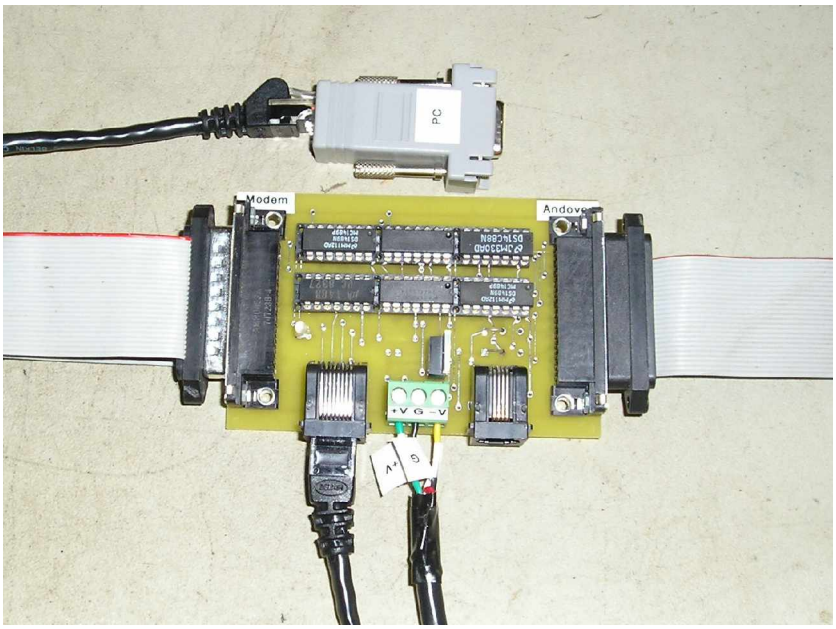


Connect the power cable to your “Port Splitter” making sure you take caution to wire each lead according to the label. Be sure to have the power supply unplugged before making any connections. The power leads will be labeled +V, G and –V. The +V lead will be +12VDC with respect to the ground (G) lead. The –V lead will be –12VDC with respect to the ground (G) lead. After verifying the proper connections, you may plug in the power supply. You should then see a green light on the board indicating that the power is on.

Step 5

At this time you can connect via the modem. If you are using an after-market modem, you should be able to connect at the speed at which your Andover port has been configured. Your non-Andover modem may require you to set dip switches or run a program on it to force it to stay within the configured Andover baud rate. Consult your modem documentation regarding the modem configuration.

Step 6



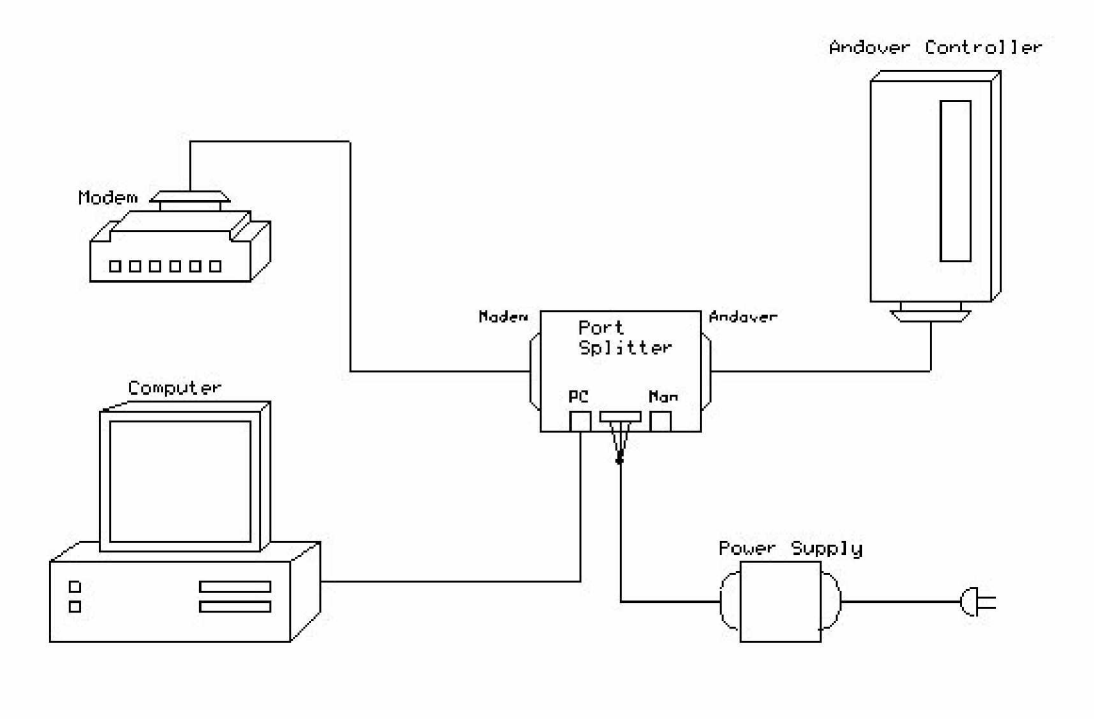
The RJ45 connector will be used for your PC connection. The “Port Splitter” comes with an 8-foot cable and DB9 adaptor to plug directly into your PC’s COM port. If the provided cable is not long enough, you can use any standard Category 5 twisted pair straight through cable with a length no greater that 50 feet. CAT-5 cables are the same type used for Ethernet LANs. Although this cable is the same type used in LANs, it CANNOT be connected into your LAN. Doing so will damage your “Port Splitter” as well as cripple your network.

Once connected into your PC, you should be able to connect to the Andover using the same baud rate that the modem now uses.

The DB9 to RJ45 pin-out is as follows:

RJ45 (Splitter)	DB9 (PC)
1	3
2	5
3	8
4	5
5	2
6	7

Port Splitter layout within the system



Conditions:

The “Port Splitter” was designed to give the modem priority in the event that both connections are being used at once. While in this condition, the PC connection can only monitor the data between the modem and the Andover but it will not be able to send data to the Andover. Once the modem releases the carrier or hangs up, the PC connection will again send and receive as before.

Additional Features:

The “Port Splitter” also comes with an RJ11 connector to be used as a means to monitor data communications going in and out of the Andover port. This can be used for troubleshooting or monitoring traffic for Andover alarms. An optional DB9 adaptor can be purchased to provide this functionality. A standard phone cable with the length no greater than 25 feet may be used.

Troubleshooting:

In the event you have trouble with the “Port Splitter”, you may call, fax, or write us with your questions.

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