

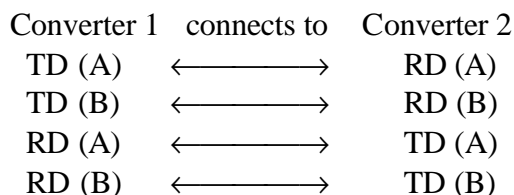
Instructions for installing ACW Handheld Extender Kit

Note: In order to use the ACW handheld Extender kit there must be an available AC outlet in the ACW unit, 2 available AC outlets in the equipment room, and 2 pair 24 AWG twisted pair phone cable run between the ACW and the equipment room.

1. Turn off the power to the ACW at the breaker. The red switch will NOT shut off power to the AC outlet used in the extender kit.
2. Connect the 25 Pin to 9 Pin Cable to one of the RS232/422 Converters. This assembly will go into the ACW cabinet.
3. Plug the 9 Pin connector of the assembly in step1 to the handheld port.
4. Attach the assembly from step 2 onto the hopper base plate using one of the supplied Hook and Loop Tape strips.
5. Connect one of the twisted pairs in the phone wires to the terminals labeled TD (A) and TD (B) of the converter in the ACW. Connected the other twisted pair to the terminals labeled RD (A) and RD (B) of the converter in the ACW. In the table below, make a note of which color goes to which of the terminals.

Terminal Label	Wire Color
TD (A)	
TD (B)	
RD (A)	
RD (B)	

5. Find the positive wire of one of the 12 V wall adapters. The positive wire is the one that has the white lettering on it. Attach this wire to the terminal on the converter labeled +12 VDC. Attach the other wire of the wall adapter to the terminal labeled GND.
6. Connect the twisted pair wires to the second converter. First connect the Transmit wires [TD (A) and TD (B)] from the first converter to the Receive terminals [RD (A) and RD (B)] of the second converter. Next connect Receive terminals [RD (A) and RD (B)] from the first converter to the Transmit wires [TD (A) and TD (B)] of the second converter. This is illustrated in the diagram below.



7. Find the positive wire of the remaining 12 V wall adapter. The positive wire is the one that has the white lettering on it. Attach this wire to the terminal on the converter labeled +12 VDC. Attach the other wire of the wall adapter to the terminal labeled GND.
8. Plug the modular phone connector into the handheld unit, and plug the 25 Pin connector into the second converter.
9. Plug in all three of the wall adapters and then turn on the power to the ACW. The Handheld should now be functional.