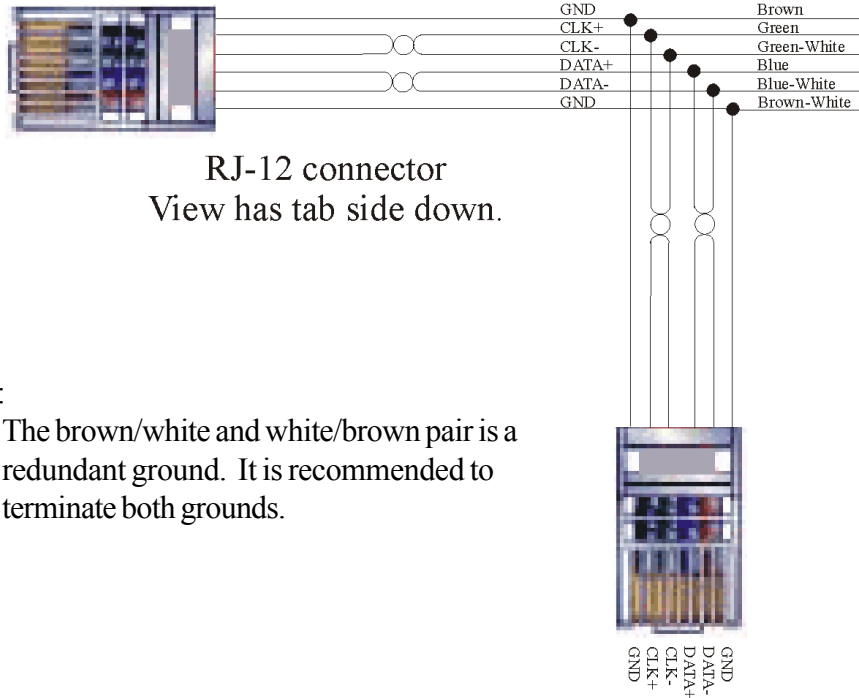


Wiring/Daisy Chaining Serial Remotes



[5/4/05]



RJ-12 connector
View has tab side down.

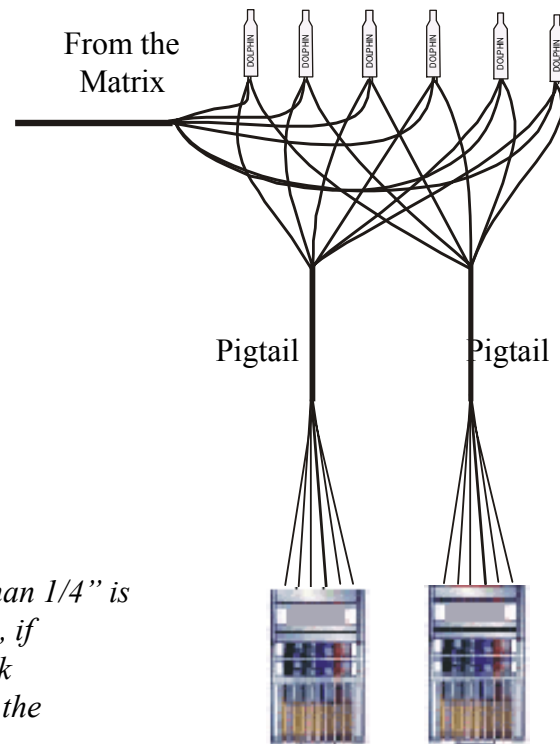
****Note:**

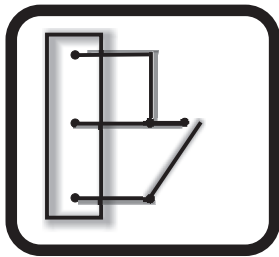
The brown/white and white/brown pair is a redundant ground. It is recommended to terminate both grounds.

Typically, three or four separate cables are used for daisy chaining. One cable will be the *Feed* from the matrix, two or three cables will be *Pigtails* connecting the remotes, and the last cable will be the *Send* to the next wall box.

- 1) Create a five inch pigtail of Cat 5 with about 1/4 inch stripped on both ends.
- 2) Insert the stripped ends of the pigtail into the Phoenix data port of the Comet remote. Repeat for each remote.
- 3) Twist and crimp the Feed, Pigtails, and Send wires together. Dolphin Crimp Connectors are recommended. MCM Part# 95-670
- 4) Continue this procedure until all the Comet remotes are connected.

Caution: Take care in stripping the Cat 5. If more than 1/4" is stripped it places excess stress on the bare wire. Also, if the wirestripper knicks the copper, the wire may break easily. There should not be any bare wire showing at the back of the phoenix connector.

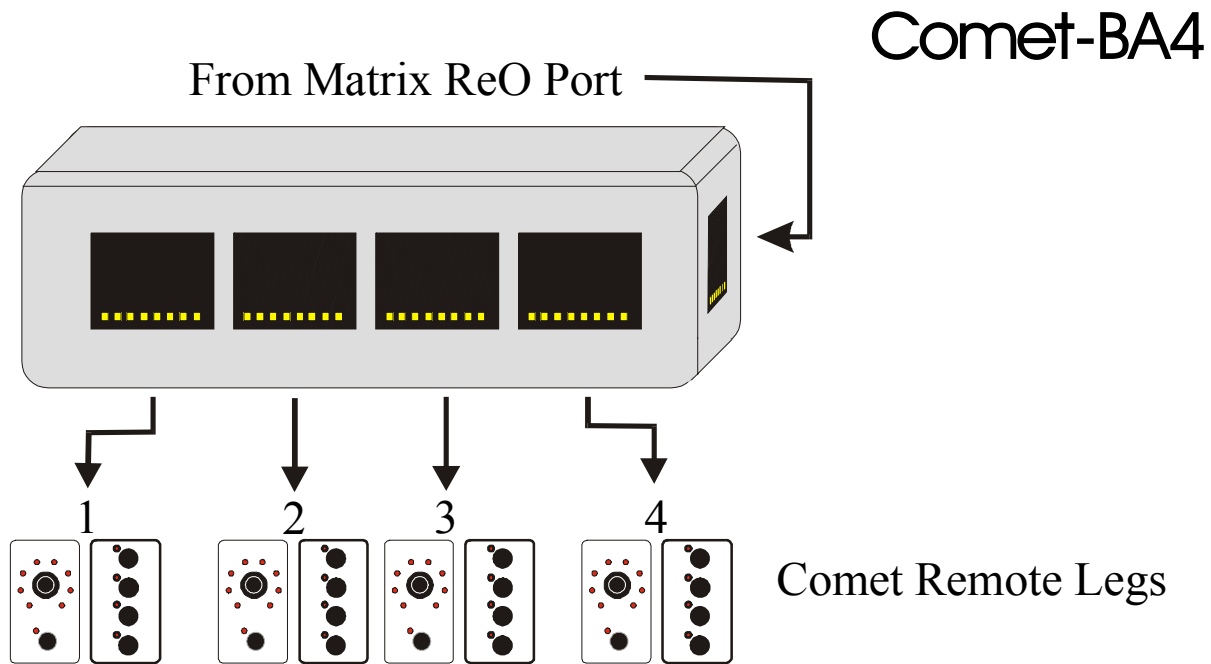




Wiring/Daisy Chaining Serial Remotes



Intelix recommends using a Comet-BA(Bridge Adaptor) with all ReO bus LANs because it bus makes terminating and troubleshooting much easier. Legs can easily be added or removed for programming ease or narrowing down a problematic area of the bus by simply plugging or unplugging modular RJ connectors.



Connecting Power Supply

Comets can be connected using terminal strips or daisy chaining. **The power supply should be plugged into an external source—not the matrix.** This external supply can be the Intelix Comet Power Supply, or any other transformer with a 9-18 Vrms AC or DC output. It should be distributed with 18 gauge or heavier stranded wire. There should be a minimum of 9 VAC at each remote.

A single Comet device draws 100 mA. Do not load a supply with more than 14 remote devices.

See manual for more detailed LAN Wiring Info.

