KACHINA 505 CABLING
Submitted by W3FRG

The Kachina 505 Transceiver cabling information is contained within the Kachina Installation & Operation Guide furnished with the 505 when received new.

- ## Cable Connections, Internal Control head
   Reference page 6, Figure 2 of the Kachina Installation & Operation Guide

This refers to the control head being installed within your PC chassis, much like a DVD/CD player.

The necessary cables are:

DB9 to DB9 – RS232 Serial port connection
        DB9 M to DB9 F – 3 Ft in length
         Recommended replacement: L-COM – CS2N9MF-2.5
         NOTE: Wired straight through

HDE15 to HDE15 – Kachina 505 Control
        HDE15M to HDE15M – 15 Ft Typ, 75 Ft Max
        Recommended replacement: L-COM – CHD15MM-10
        NOTE: Wired straight through

JUNCTION PANEL – Supplied by Kachina.
        HDE15M to HDE15F and DB9F panel mounted connector jacks
        Provides I/F between the 505 Transceiver, Control head
        and RS232 port on PC
        See figure 4 below.

- ## Cable Connections, External Control head
   Reference page 7, Figure 3 of the Kachina Installation & Operation Guide

This refers to the control head being installed outside of the PC on a desk top, as an example.

The necessary cables are:

HDE15 to HDE15 – Kachina 505 Control
        HDE15M to HDE15M – 15 Ft Typ, 75 Ft Max
        Recommended replacement: L-COM - CHD15MM-10
        Wired straight through

RJ12 to DB9F - RS232 Serial port connection
         DB9F to RJ12 (6/6) – 10 Ft in length
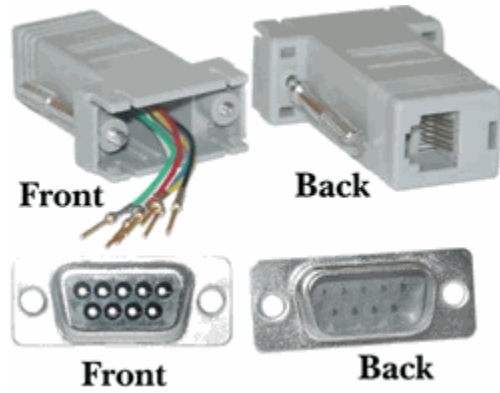   Recommended replacement: L-COM – RA096F with L-COM RJ12 to RJ12 – TDC057-10
         See figure 3 below.

         This adapter can be attached to the RS232 port on the PC and an
         RJ12 modular cable run between it and the 505 RJ port located at the rear
         of the 505 chassis.

         NOTE: The RJ12 (6x6) modular cable MUST be wired straight thru, pin to pin.

         Wiring of these cables is shown in the following figures.

Front   Back

Front   Back

DB9 Female / RJ12 (6/6) Jack

This unit allows you to configure your own specific pinouts. When trying to run a serial connection over a very long distance, it is better to use a phone line to do so. It will cut down on signal loss and interference.

RJ12 Pin Outs: 1-White, 2-Black, 3-Red, 4-Green, 5-Yellow, and 6-Blue.
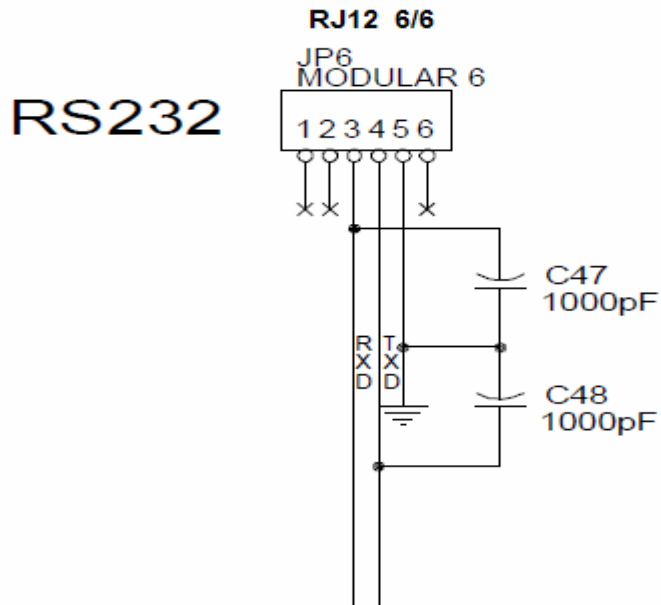
Figure 1   RJ12 (6x6) to DB9F Adapter

Figure 2   Kachina 505 - RJ6 Internal Wiring

RJ12 JACK
(6 X 6)

MALE 9-POSITION
D-SUB CONNECTOR

WIRING TABLE	
RJ12	LEAD COLOR
1	WHITE OR GRAY
2	BLACK
3	RED
4	GREEN
5	YELLOW
6	BLUE

2
3
5

KIT, AS SUPPLIED

ASSEMBLED KIT
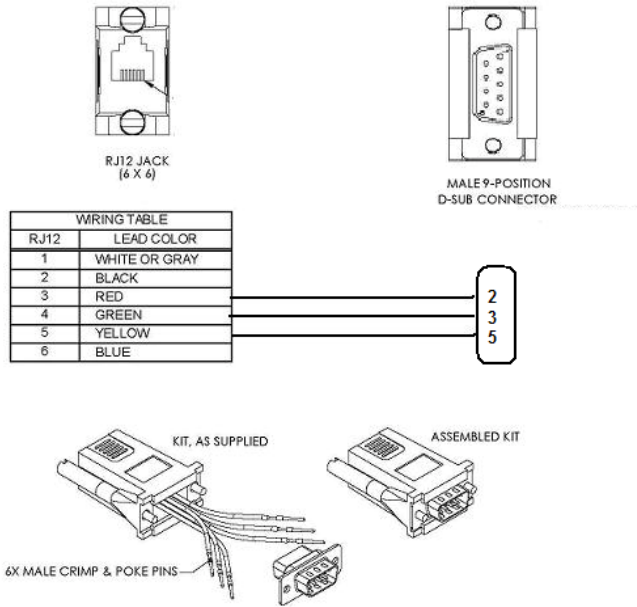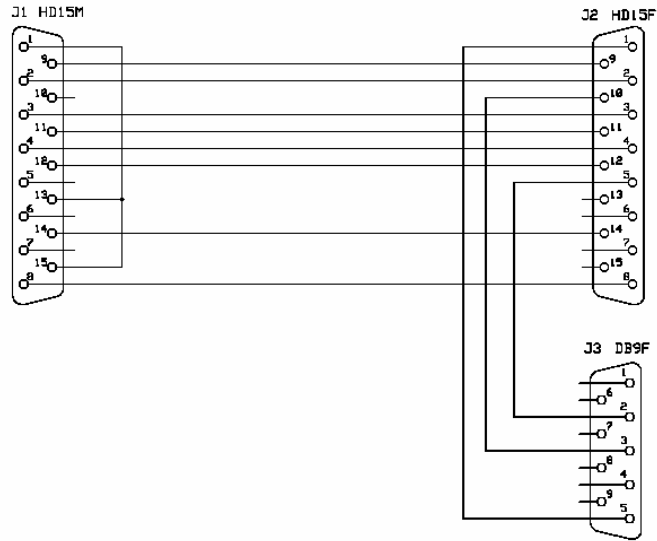
6X MALE CRIMP & POKE PINS

Figure 3   RJ12 (6x6) to DB9 Connection

Figure 4   505 Control Head Junction Cable