

25/7 Protection Self Install Notes

Cameras:

1. Siamese Cable (RG59 Coax & 18/2) to be ran from each camera location back to DVR.
 - a. The Camera end of cable:
 - i. The coax will need an BNC RG59 crimped onto it, then can plug into Camera
 - ii. The camera comes with a Male power pigtail to splice onto the 18/2. After spliced, plug into camera.
 - b. The DVR end of Cable:
 - i. The coax will need an BNC RG59 crimped onto it, then can plug into DVR
 - ii. The 18/2 lead will need to be stripped to expose copper and then plugged into 12V power supply provided for cameras.

Speaker:

2. 18/2 to be ran from Speaker back to DVR location, but wired into the ELK800 amplifier's speaker "**Output**".
3. Another 18/2 will need to be ran from the ELK800's "**Input**" to the DVR's "**Audio Out**"
 - a. You will need a vbs-22c audio balun to connect to the 18/2 on the DVR end of 18/2.
 - b. An RCA adapter comes with the ELK800 amplifier and will go between the vbs-22c audio balun and DVR.
4. 12V Power Supply to plug into ELK800's "**Power**" input.

Siren:

5. 18/2 to be ran from Siren back to DVR location, this 18/2 will connect to the small green brick on back of DVR.
 - a. Only the Red strand from the 18/2 will plug into the NO (2) port in green brick. The black strand is extra at this point.
 - b. You will need a 12V power supply to be ran to green brick on back of DVR as well. The red strand from the 18/2 will plug into the C (2) port in green brick. The black strand is extra at this point.
 - c. Now you will connect the 2 extra black strands together from the 5a and 5b instructions.

Dakota Alerts to DVR:

6. You will need an 18/2 per zone to connect from Dakota Receiver relays to the DVR alarm inputs (green block connector). The Dakota Receiver has 4 zones (Classical, Westminster, Ding Dong, Whistle). The outside transmitters need the dipswitches to be set to the zone (chime) desired. Each zone 1-4 has relay outputs inside the receiver. Wire the red strand of the 18/2 to N/C and the black strand to com for the desired zone (chime) inside the Dakota Receiver.
7. Wire the red strand to the alarm input matching the camera in that area where the transmitter is located, wire the black strand to the common (marked with down arrow) on the alarm input green block connector of the DVR
8. Wire each zone being used on the Dakota Receiver to the DVR Alarm Inputs matching the camera number where the outside transmitter is located. Red strand to N/C and Black strand to com (Dakota relay outputs) and on the DVR green block Connector, Red strand to the Alarm input and Common(multiple commons get grouped together)

Strobe light to Dakota Receiver:

9. 18/2 to be ran from Strobe light to Dakota Receiver.
 - a. Strobe light side, connect the red wire from 18/2 to one of the red wires from strobe light. Connect the black wire from 18/2 to one of the black wires from strobe light.
 - b. Dakota Receiver side, connect the red to the "**12V Out +**" port in the green screw terminals. Connect the black wire to the "**12V out -**" port in the green screw terminals.

RB257 Auto -on Relay:

10. Plug the power output from the RB257 into the Dakota Alert receiver power input
11. Wire the remaining line -18/2 with two exposed wires into relay 1 "NO and "C" terminals
12. Plug the Dakota Power supply into surge protector

Strobe Light Wired to 12V output inside Dakota Receiver

13. 18/2 line to be run from "Strobe light" to the 12V out inside Dakota Receiver. Red Strand to (+), Black Strand to (-)