

DB25 Control Cable Splice Assembly Instructions



Figure 1

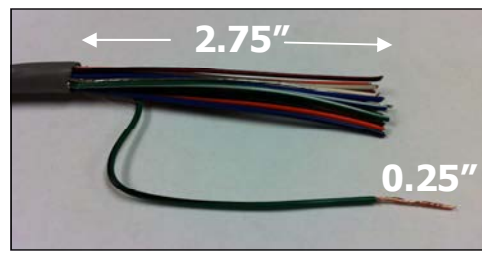


Figure 2

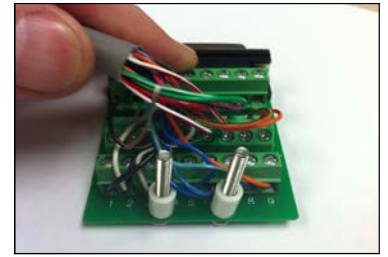


Figure 3

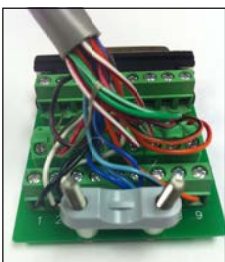


Figure 4



Figure 5



Figure 6

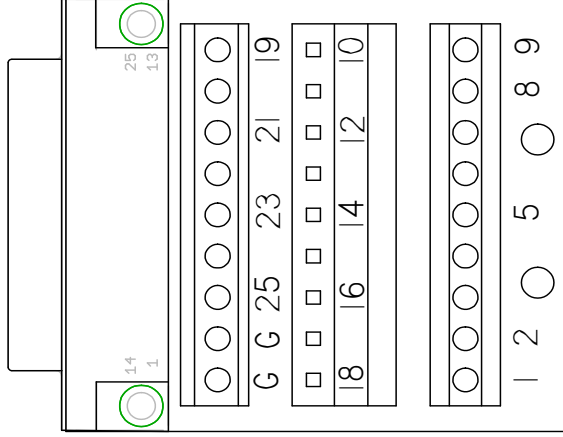


Figure 7

The DB25 control cable splice allows for much more convenient connection of control cable to the SteppIR controller. By utilizing this connector splice, there is no need to cut the DB25 connector off and re-solder when running cable through conduit. In addition, now you can purchase custom cable lengths to within 1 foot of your desired length, eliminating potential for excess cable. To install the DB25 control cable splice, follow these instructions:

1. Locate the parts needed for installation shown in figure 1.
2. Strip the grey jacket and aluminum shielding off of the control cable as shown in figure 2, approximately 2.75" from end of control cable, being careful not to damage the individual wires. Strip the plastic insulation off of each of the control cable wires, approximately 0.25" in length should be bare wire (fig 2). It helps to twist each of the stranded wires, to aid in the placing of the wire into the terminal headers. Tinning the wires with solder also works well.
3. Connect each wire to the appropriate terminal as shown in figure 3. Consult drawing 21-6005-91 for the correct wiring sequence, there are multiple wiring sequences on this drawing depending on your model of antenna.
4. Insert the two stainless steel screws into the circuit board, as shown in figure 3. Slide the two plastic spacers onto the screws.
5. Insert the first half of the strain relief clamp onto the two screws (half-round bump facing upward) on the two screws (fig 4). Be careful not to pull the wires out of the terminal headers as you push the strain relief clamp downward.
6. Insert the second half of the strain relief clamp onto the two screws (half-round bump facing downward as shown in figure 5).
7. Position the control cable in between the two halves of the strain relief clamp, be sure that the jacketing of the cable is in between the clamps (fig 5).
8. Using the nuts, tighten down until the cable is nice and snug, but do not over tighten (fig 5).
9. Plug the DB25 splice into the back of the controller and tighten the jack screws to secure the DB25 to the controller housing, as shown in figure 6.
10. While it is not required, you may optionally use silicone wrap to cover the wiring, as shown in figure 7.

70-6010-01



Cable Pin out by cable type.

Adapter Pin number

2X4 Conductor

16 conductor Standard 4E DB11, DB18
 16 conductor 2E, 3E Yagi
 4 Conductor

1	BLACK	BLACK	BLACK	BLACK	BLACK	Black
2	WHITE	RED	RED	BROWN	Red	Red
3	WHITE/ BLACK STRIPE	GREEN	GREEN	RED	Green	Green
4	BLACK/ WHITE STRIPE	WHITE	WHITE	ORANGE	White	White
5	BLUE	BROWN	BROWN	YELLOW	Black	
6	BLUE/ WHITE STRIPE	BLUE	BLUE	GREEN	Red	
7	BLUE/ RED STRIPE	ORANGE	ORANGE	BLUE	Green	
8	BLUE/ BLACK STRIPE	YELLOW	YELLOW	VIOLET	White	
9	ORANGE	VIOLET	VIOLET	GREY		
10	ORANGE/ RED STRIPE	GREY	GREY	WHITE		
11	ORANGE/ BLACK STRIPE	PINK	PINK	PINK		
12	GREEN	CREME	CREME	CREME		
13	BLACK/ RED STRIPE		WHITE/ ORANGE ST			
14	GREEN/ WHITE STRIPE	WHITE/ BLACK ST				
15	GREEN/ BLACK STRIPE	WHITE/ RED ST				
16	RED	WHITE/ GREEN ST				
17	RED/ WHITE STRIPE	WHITE/ ORANGE ST				
18						
19						
20						
21						
22	WHITE/ RED STRIPE		WHITE/ RED ST			
23	RED/ BLACK STRIPE		WHITE/ BLACK ST			
24	RED/ GREEN STRIPE		WHITE/ GREEN ST			
G	Drain	Drain	Drain	Drain	Drain	Drain

SteppIR Antennas.

Cable splice, controller

21-6005-91

Date 01/31/2011