

# Brooklyn Double Neck DIY Guitar Kit

Thank you for purchasing this DIY Guitar Kit. The following instructions specify how to assemble your guitar. There are a variety of finishes that can be applied to the guitar, and it is up to you to choose the style that best suits you. Information on how to apply the finishes are readily available on the internet. We recommend a little research to find your favoured finishing method.

All of our headstocks are provided 'uncut'. This gives you the opportunity to be creative and design your own, or copy one of the popular styles. For this, we recommend marking the shape out with a pencil, cutting the design with a Coping Saw or Jigsaw, and then finishing off with sandpaper. We have not supplied full instructions for this, as the process will depend on your individual design. Again, an internet search engine search will provide far more relevant instructions than we would be able to provide.

The guitar will need to be fully 'set-up' after construction. This is the process to make the guitar fully playable. Numerous video guides can be found online, and we recommend searching on popular video streaming sites. Alternatively, the guitar can be professionally set up by your local professional Luthier.

Before you start you will need to make sure you have the following tools to hand:

- Soldering Iron
- Cross Head Screwdriver – Medium Head
- Cross Head Screwdriver – Small Head
- Battery Powered Screwdriver (not essential but advised)
- Tape Measure or Ruler

Enjoy building your Guitar!

# Contents



## Parts

1. Guitar Body

2. Pickups

3. Resistors

4. Pots

5. Selectors

6. Jack Input

7. Selector Plate

8. Scratch Plate

9. Back Plate

10. Tone Knobs

11. Machine Heads

12. Ferrules

13. Washers

14. Neck Plates

15. Neck Plates

16. Tailpiece Pins

17. Bridge Pins

18. Tailpieces

19. Bridges

20. 6 String Neck

21. 12 String Neck

22. Strap Buttons

## Screws

16 x 16mm

10 x 18mm

8 x 12mm

10 x 10mm

2 x 25mm

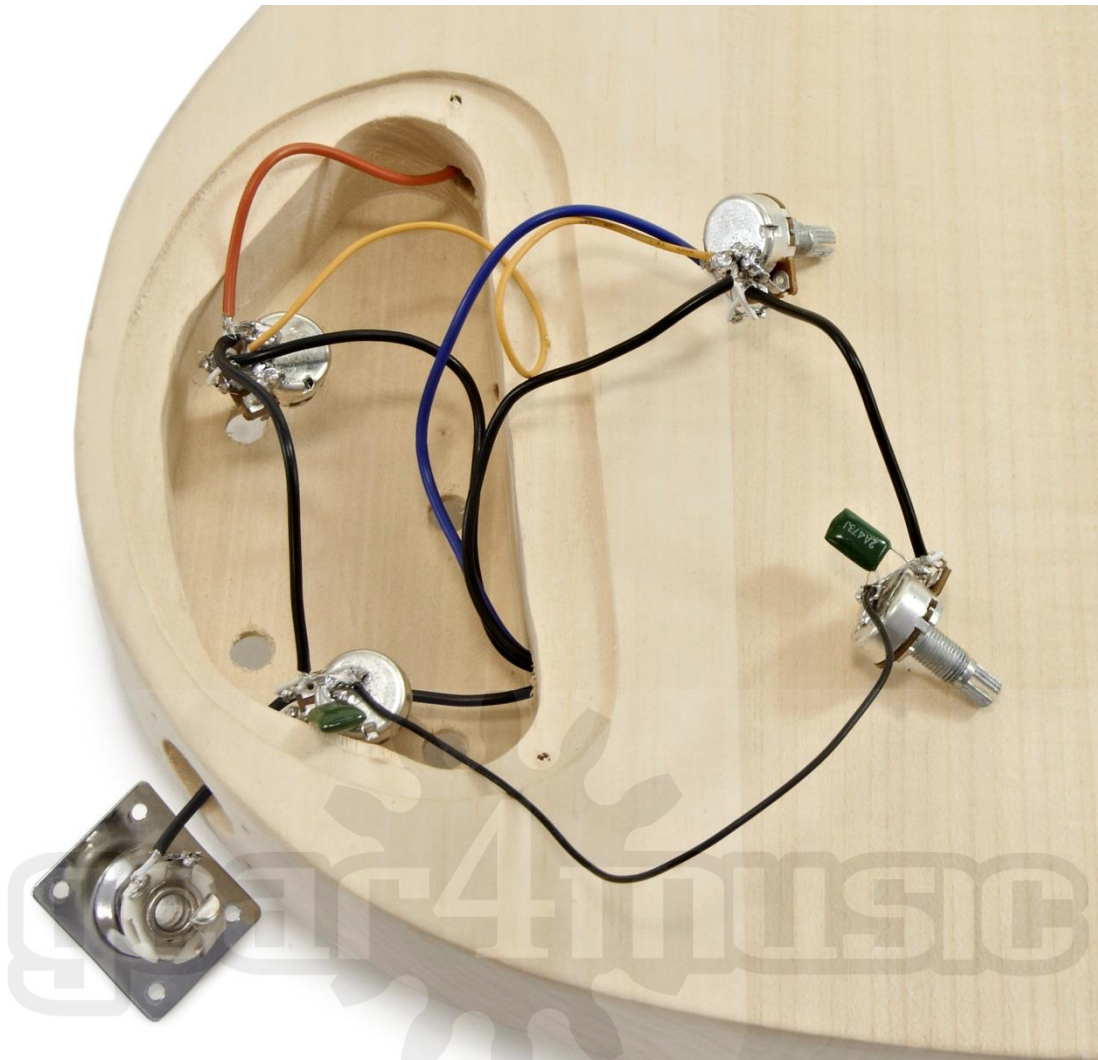
8 x 45m

## Step 1



Position the pickups (2) and selectors (95) on the body (1) as in the picture above. Feed the wires through the corresponding holes, and solder together as shown in the wiring diagram at the end of this booklet. In the diagram, all red wires are earth wires, and all black wires are live. With the dual wires, the uncovered wire is the earth and the covered wire is the live wire.

## Step 2



Take two of the Pots (4) and bend the third arm back towards the body, and then solder to the back of the pot. These will be the volume pots. Solder a resistor from the second arm of one of the remaining pots to the back of the pot, and repeat with the remaining pot. These will be the tone knobs. Solder these together to make up the circuit as in the circuit diagram. The earth wire from the selector should be soldered to the upper arm of the jack socket (6) and the live wire to the bottom arm, as shown in the picture above.

### Step 3



Place the volume and tone pots through the corresponding holes, and fasten in place using their nuts and washers. Screw the pickups into place using the 16 x 18mm pickups. There are pilot holes that match the pickup casings.

#### Step 4



Screw the selector plate (7) and Scratch Plate in place, lining the holes up with the pilot holes and using the 11mm screws. Ensure that the selector switches are in place before screwing the plates on.

## Step 5



Insert the machine heads (11) in to the holes in the Headstocks (20 and 21). Place the washer (13) on top, and then screw in the Ferrules (12). The neck should then be turned over and the 18 x 10mm screws should be screwed in to the pilot holes securing the machine heads in place. Make sure that the screw hole in the Machine Heads are facing downwards.

## Step 6



Put the Body (1) and Necks (20 and 21) together. Place the Neck Plates (14) with the rubber Pad on the back of the Body (1) in line with the pilot holes, and attach with the 8 x 45mm screw. Place the Truss Rod Cover (15) in place, matching the holes with the pilot holes, and screw in using the 3 x 11mm screws.

Attach the Strap Buttons (22) with their rubber washers to the pilot holes on the base and arm of the body (1) using the 2 x 25mm screws. Screw the Back Plate (9) in place using the remaining 11mm screws.



## Step 7



Place the Bridges (19) on the Bridge Pins (17), with the screw heads facing the neck, making sure they correspond with the correct neck. Place the Tailpieces (18) on the Tailpiece Pins (16). String the guitar using the strings (22), threading them through the tailpieces (18).

Congratulations, you have now completed the construction of your guitar.



# Appendix

## Wiring Diagram

