

MISSENDEN ABBEY RAILWAY MODELLERS' WEEKEND

Recommended tool and equipment list

Wiring A Layout

Tools

- 25/40W soldering Iron (or 40w Temperature compensated soldering iron suitable for electronic assembly. Both Weller TCP and Antex soldering irons are suitable and available from Rapid Electronics or Maplin. (If you have a soldering iron that you have used for brass or white metal kit construction with corrosive fluxes it needs to be fitted with a new replacement bit as the fluxes are not compatible with electrical work.)
- Soldering iron stand with a sponge. Vital to safely store your iron when switched on but not actually in use.
- 60/40 Multicore Solder which includes Flux (suitable for electronics, not for brass loco kit construction) such as Rapid 85-0592. Do not use lead-free solder as this is much harder to use successfully
- Soldersucker or Soldermop desoldering braid such as Rapid 85-0625.
- Wire cutter and stripper such as the Rolson 20852 Automatic Wire Stripper.
- Small screwdrivers.
- Anglepoise or similar light.
- Optivisors or head magnifiers are also very useful.
- Multimeter, either a Digital (DMM) or Analogue (AMM)
- Drill and a selection of bits (for mounting switches on control panels)

Materials

- Ideally you should bring a small baseboard or section of layout to work on - if that isn't possible then there will be a section of layout and materials available.)
- A baseboard and some track to work with.
- Suitable ply or plastic as a control panel.
- Wire - 16/0.2mm multi-strand in a selection of colours
- Terminal blocks.
- Screws for mounting terminal blocks.
- Tortoise or Cobalt point motors.
- Switches to suit.
- Power supply(s) to suit.

If you need advice for suitable switches, power supplies, etc. please contact the tutor.

There will be a selection of wire, cable ties and other items available should you need them so some cash would be advisable. Quantities are likely to be small so cost likewise.