

Binding Procedure. OMNI V1 - pre 2018

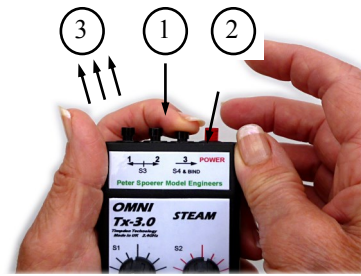
As simple as 1. 2. 3. Read the Binding instructions below fully before you begin. You do not need a binding plug on the receiver, it binds automatically. The transmitter does all the work. The transmitter must be turned off to start the procedure

First turn on the receiver then....

Take hold of the OMNI transmitter with two hands, and hold the No. 3 button to start the binding procedure.

Keep pressing button 3 as you now turn the Transmitter on by pressing the red power button down, and then releasing it, then immediately release the bind button to start the binding process and then press and release the bind button two more times. One, Two, Three. When you now release the button a third time, the power light will stay on steady, and the binding procedure is complete. Stages 2 and 3 together should take 2 – 3 seconds. Watch this video to see how it's done:

<https://www.youtube.com/watch?v=gPKrD2tHvUE>



Binding Procedure. OMNI V2 - Now simpler than ever!

1. Turn on the Receiver (or the model, if it's already fitted inside) then....
2. Hold down black buttons 1 and 3, then turn on the transmitter
3. Successful binding is indicated by LED 2 going ON.
4. Release the two buttons and the job is done. LED 1 goes solid to indicate that the transmitter and receiver are linked.

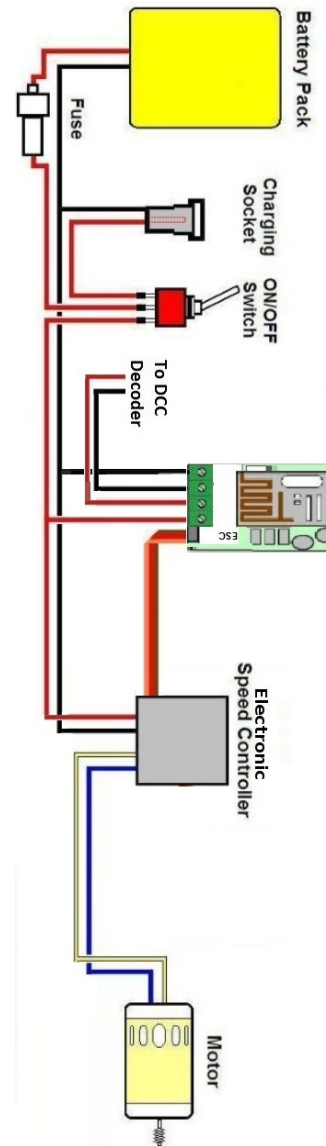
Programming the OMNI system to suit your needs.

The OMNI Rx24 ESC receiver is supplied with a connection for a speed controller (ESC) which will power the motors and the FRx24. The regulator setting is sent in parallel to the ESC and to the DCC decoder, so that the decoder operates only the sound and other auxiliary functions such as lights in concert with the speed controller. Note that the speed controller and sound project will need to be matched with similar inertia values to achieve this. With the Fosworks Cobra speed controller, this is a simple adjustment of the inertia setting.

The default settings for the 24 functions are F1 - latched and all other functions - momentary. It is possible to change all or just one of the function buttons from Momentary to latching - see your transmitter instructions for details.

The OMNI R/C system is ideal, in that when you wish to re-program it to suit the special needs for a particular loco, it is not the transmitter you are re-programming, but the receiver in the loco. In this way, one OMNI transmitter can control many different types of locos, each with its own very different requirements, with no need for model memories in the transmitter.

The standard Rx24 is supplied to operate with DCC decoder address 03. Other values must be specified at the time of ordering. (Only short addresses are possible)



FRx-24ESC receiver circuit diagram for use with DCC decoder and speed controller.

OMNI Rx-24 2A ESC Receiver
 For use with OMNI Tx-4 series and Tx-5 Series Transmitters
 Programmable 24 Function Operation
 2.4GHz
 Up to 800 metre range
 2A continuous load
 Default decoder address 03
 (other addresses can be supplied on request)



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OMNI Rx-24 2A ESC

Programmable 2.4GHz Receiver
 For DCC decoders with ESC output

For details of how to program this receiver please go to your OMNI transmitter instructions, or contact us by email on sales@fosworks.co.uk or go to our website or send us a Stamped Address Envelope for a printed copy of the instructions.

