

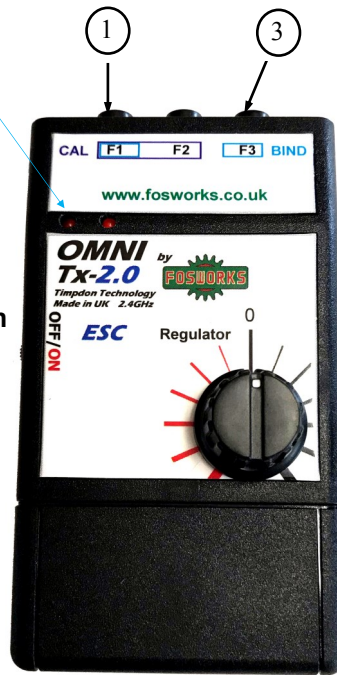
Binding Procedure.

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.

Note: if you are binding to one of our older handsets, please see our website for a link to a video of the procedure.

LED 1



Programming the OMNI system to suit your needs.

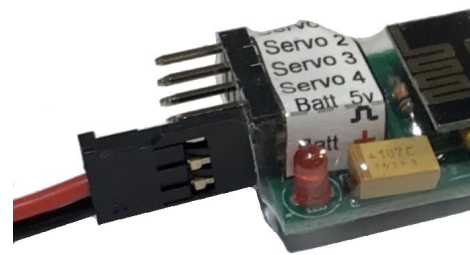
By default, each servo is set for a full 90 degree swing. There may be no need to change these settings, but if the swing of a servo needs to be modified, it can be done by reprogramming the receiver.

The OMNI R/C system is unique, 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. The transmitter tells the receiver what is expected of it in the future, and it is the receiver that remembers it. In this way, one OMNI Tx-3.0 transmitter can control many different types of Live Steam locos, each with its own very different requirements.

It is possible to change all or just one of the servo movements. The start and stop position of each servo swing is adjustable. You can even reverse the servo swings.

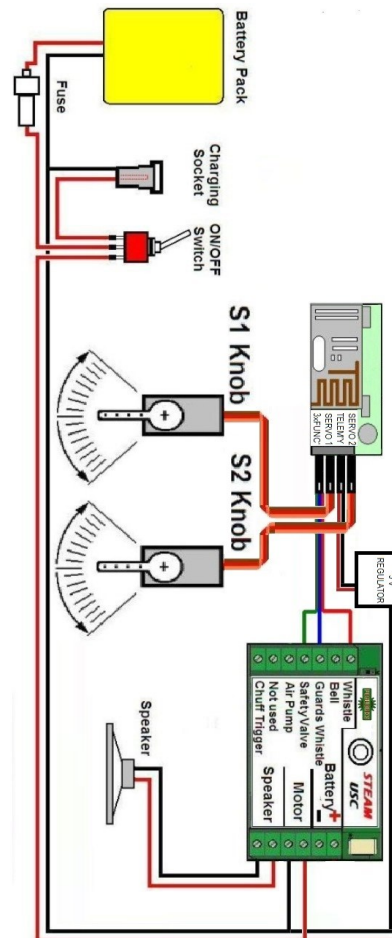
Follow the link on our website LINKS page to see a video of the procedure.

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 the LINKS page on our website or send us a Stamped Addressed Envelope for a printed copy of the instructions.



Connecting the 5V power lead to telemetry connection - red to centre, black (or brown) nearest to PCB. Note that Incorrect connection will damage the receiver. The spare pin can be used for telemetry feedback to handset. (Shown using FRx 23 for clarity)

FRx-21H receiver circuit diagram for use with 2 servos and soundcard.



43.5x19x11mm plus connections

Up to 800 metre range
2.4GHz

Single channel telemetry ideal for boiler water level accessories
Three switch functions for S1 and S2 infinitely variable.
Four Servo Operation Programmable Transmitters
For use with OMNI Tx-3.0, TX3.1 or TX3.2

Receiver OMNI Rx-21



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BB2 9QJ
Tel: 01254 814675



OMNI Rx-21
Programmable 2.4GHz Receiver
2 Servo Outputs
Three function switches
With TELEMETRY

HORIZONTAL OR VERTICAL PINS
STANDARD OR LONG AERIAL