



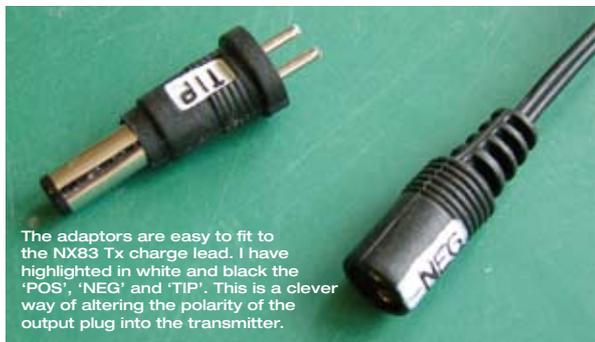
The front of the Vector NX81 is clearly marked with user set features. The output clamping block is on the left. It works okay and does securely grip the bared ends of the output plug cables.

# Logic FUSION Chargers

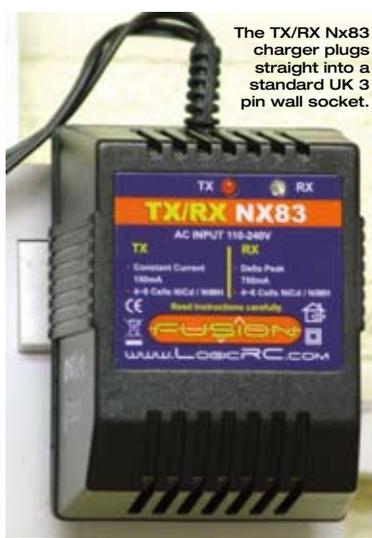
PAUL FRESHNEY checks out the NX83 and Vector NX81



The Vector NX81 charger is supplied with four alternative charging leads. These are clamped into the output block as needed. It is wise to colour code the positive cables with a blob of red paint to ensure correct connection into the charger output block.



The adaptors are easy to fit to the NX83 Tx charge lead. I have highlighted in white and black the 'POS', 'NEG' and 'TIP'. This is a clever way of altering the polarity of the output plug into the transmitter.



The TX/RX Nx83 charger plugs straight into a standard UK 3 pin wall socket.

## NX83

This is a mains only input (110v to 240v) charger for transmitter and receiver batteries.

For transmitters it will charge 4 to 8 (4.8v to 9.6v) NiCd or NiMH cells at a constant 150mA. The charging lead is very clever in that the adaptor for fitting the charging socket on the transmitter can be reversed, thus centre positive (Futaba and Hitec) and centre negative (JR and Spektrum) can both be catered for by the same lead. In addition two adaptors are supplied, the only difference being the size of pin on the transmitter that can be accepted. As it so happened both worked with a Spektrum DX6i transmitter. There is no automatic shut off after a charge, but the charging rate is a good median for many of the transmitter battery packs in current use. The ability to charge 4 to 8 cells is most useful since Spektrum DX6i and Dx5e transmitters only use four single AA size cells.

I found it useful to highlight the 'NEG' and 'POS' on the charge cable end adaptor and the 'TIP' on the adaptor for the transmitter charging socket as it is very easy then to see which way to insert the adaptor into the end of the charging cable. A light on the charger illuminates during charging.

For receivers there is a conventional generic Futaba socket on the end of the lead. The charger can cope with 4 to 6 (4.8v to 7.2v) NiCd or NiMH batteries and charges at

750mA with a delta peak cut off. In other words receiver batteries are fast charged. The Rx LED on the charger changes from red to green, when charging is complete.

Does it work? Well yes, the only proviso being that fast charging a receiver pack can make the pack become hot, although the charger should sense when the battery is fully charged and turn itself off. The ability to charge Spektrum transmitters using only 4 cells is very handy. Price is £9.99.

## Vector NX81

This is a mains input (110 to 240v) charger with a single output for 4 to 8 (4.8v to 9.6v) NiCd or NiMH cell packs with a user set charge rate of 0.5, 1.0, 2.0, 3.5 or 5.0 amps together with a delta peak cut off. Four leads are supplied for a standard Tamiya connection (as on buggy packs), a standard generic Futaba receiver battery and centre positive and negative transmitter leads, both of which are clearly marked by a sticker. Thus in one box you have everything you are likely to need to charge regular battery packs, but it is not suitable for charging sealed lead acid or LiPo batteries. The charger includes an internal cooling fan. The connections of the leads are by clamping the bare ends into the output block on the front of the transmitter, so you must double check that positive is to positive and negative is to negative.

Does it work? Well yes once again it does, but clamping and unclamping bare leads into the output block does mean they may become frayed in due course. I would have preferred to see coloured banana plugs, but alternatively you can solder a short length of fine bore brass or copper tubing over the bare ends to make them more resilient. Of course it may be that you only want to use it for charging one type of battery pack in which case you will not be clamping and unclamping on a regular basis. It is also worth painting on to the transmitter charging lead plugs which is for Futaba and which is for JR/Spektrum to avoid confusion. Having said that, many transmitters now include a diode in the charging circuit to prevent attempted reverse charging. Price is £21.99.

Both chargers are available from the usual retail outlets as are others in the range. They include full operating and safety instructions in a number of languages. For more information on these and other products, please visit: [www.logicrc.com](http://www.logicrc.com) or tel: 01992 558226 for a catalogue.