

DATONG NEW PRODUCT



MODEL FL3-A NEW AUDIO FILTER WITH AUTO-NOTCH

A NEW AUDIO FILTER FROM DATONG MODEL FL3

Model FL3 gets it all together! It combines all the power of the FL2 which continues in production with a remarkable new automatic notch filter - a concept which we pioneered with our FL1.

In one stylish case Model FL3 offers the complete solution to receiver audio processing. We believe that such a powerful combination of filtering capabilities has never been offered before in one package.

NOTCH FILTER SCANS CONTINUOUSLY

User of our FL1 will confirm the practical advantages of an automatic notch filter. With absolutely no help from you the operator the automatic notch tirelessly scans the receiver's audio output until a continuous audio tone is received. When it is the notch filter locks on and removes it. If the tone changes in frequency the auto-notch follows.

SHOOT DOWN TUNE-UP WHISTLES AND HETERODYNES

Imagine the benefits. A tune-up whistle no longer causes any problem; after a second or two it simply drops out of ear shot. Those tiresome whistles that occasionally descend on a QSO become a thing of the past. Only the "LOCK" lamp on the FL3's panel reminds you of what you are thankfully missing.

PLUS LOW PASS, HIGH PASS AND MANUAL NOTCH

While all this is happening you still have three other independent filters at your disposal. Imagine, for example that another SSB station starts up 2 kHz

high. Instead of trying to copy through all that high-pitched monkey chatter simply wind down the low-pass filter (the right hand knob) and wipe it out. Then perhaps a teleprinter starts up 300 Hz above your carrier frequency; a touch on the high-pass filter knob (the middle one) cures that.

Finally maybe a second whistle appears. Since the auto-notch is busy, just bring in the manual notch as well and tune it out (left hand knob).

PHENOMENAL SKIRTS WINKLE OUT CW

For CW and RTTY the low-pass, high-pass and manual notch filters combine to give a 12 pole fully variable filter with remarkable skirt selectivity. Compared with lesser filters you can use a much wider bandwidth for a given interference suppression - this makes tuning easier and reduces ringing effects.

ATTENTION FL2 OWNERS!

At Datong we don't believe in "planned obsolescence". There's no need to throw away your FL2 to get an FL3. Instead you can convert it to an FL3 using our conversion unit, Model FL2/A.

This is a fully assembled PCB module with its own board-mounted "IN/OUT" switch and "LOCK" lamp. Installation involves four soldered connections to the existing FL2 PCB and one track cut.

Model FL2/A is also suitable for building into other equipment where an automatic notch function is required.

FREE HARDWARE KIT

As an introductory offer Model FL2/A will be supplied complete with a punched and printed FL3 front panel to replace the FL2 panel, plus PCB mounting hardware.

**TECHNICAL
REPRINT OFFER**

The filtering in Model FL2 and now in Model FL3 has been carefully conceived to give maximum possible benefit in real life reception conditions. The thinking behind the product design has been described in depth by the designer, Dr DA Tong in "Ham Radio", November 1981. A limited number of reprints of the article are available free on request.



ALL DATONG PRODUCTS ARE
DESIGNED AND BUILT IN THE U.K.

PRICES

All prices include delivery in U.K. basic prices in £ are shown with VAT inclusive prices in brackets.

| | | | | | | | | |
|-------|--------|----------|----------------|--------|----------|--------------------|---------|----------|
| FL3 | 112.50 | (129.37) | AD370 | 56.00 | (64.40) | RFA | 29.50 | (33.02) |
| FL2/A | 34.50 | (39.67) | AD270 + MPU | 45.00 | (51.75) | Codecall | | |
| FL1 | 69.00 | (79.35) | AD370 + MPU | 60.00 | (69.00) | (Linked) | 28.00 | (32.20) |
| FL2 | 78.00 | (89.70) | MPU | 6.00 | (6.90) | Codecall | | |
| PC1 | 119.50 | (137.42) | DC144/28 | 34.50 | (39.67) | (Switched) | 29.50 | (33.02) |
| ASP | 72.00 | (82.80) | DC144/28 | | | Basic DF System | ●149.00 | (171.35) |
| VLF | 26.00 | (29.90) | Module | 28.00 | (32.20) | DF System | ●159.00 | (182.55) |
| D70 | 49.00 | (56.35) | Keyboard Morse | | | Complete Mobile DF | | |
| D75 | 49.00 | (56.35) | Sender | 119.50 | (137.42) | System | ●214.00 | (246.10) |
| RFC/M | 26.00 | (29.90) | | | | | | |
| AD270 | 41.00 | (47.15) | | | | | | |

See previous advertisement or price list for further details.

Data sheets on any products available free on request - write to Dept HR
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