Preface
This article was found on the g4apl's system hard disk.
A number of MC80's are used at the GB7CIP/GB7CR and GB7CP
Amateur Packet Radio stations.
Hope you find this helpful de Paul g4apl

Subject: Motorola MC80/Maxar etc
Date: Thu, 18 Jun 1998 18:36:00 +0000

From: G8AMG
To : RIGINF@GBR

From time to time I get asked if I know anything about Motorola rigs, well truth is I only have the info gleaned from packet radio, from such as G4OAA and G8OWN, plus a list of crystal frequencies from GW1ATZ.

However as many of the older Motorola radios are turning up cheap today at rallies, maybe this little aide memoir will help?

Motorola Radio Identifier code
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Typical indent string for
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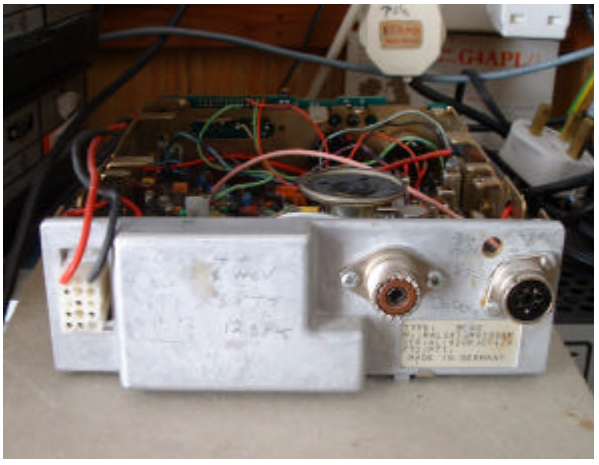
MC 80 UHF radio

M A D 2 4 T S A 3 0 0 0 A K

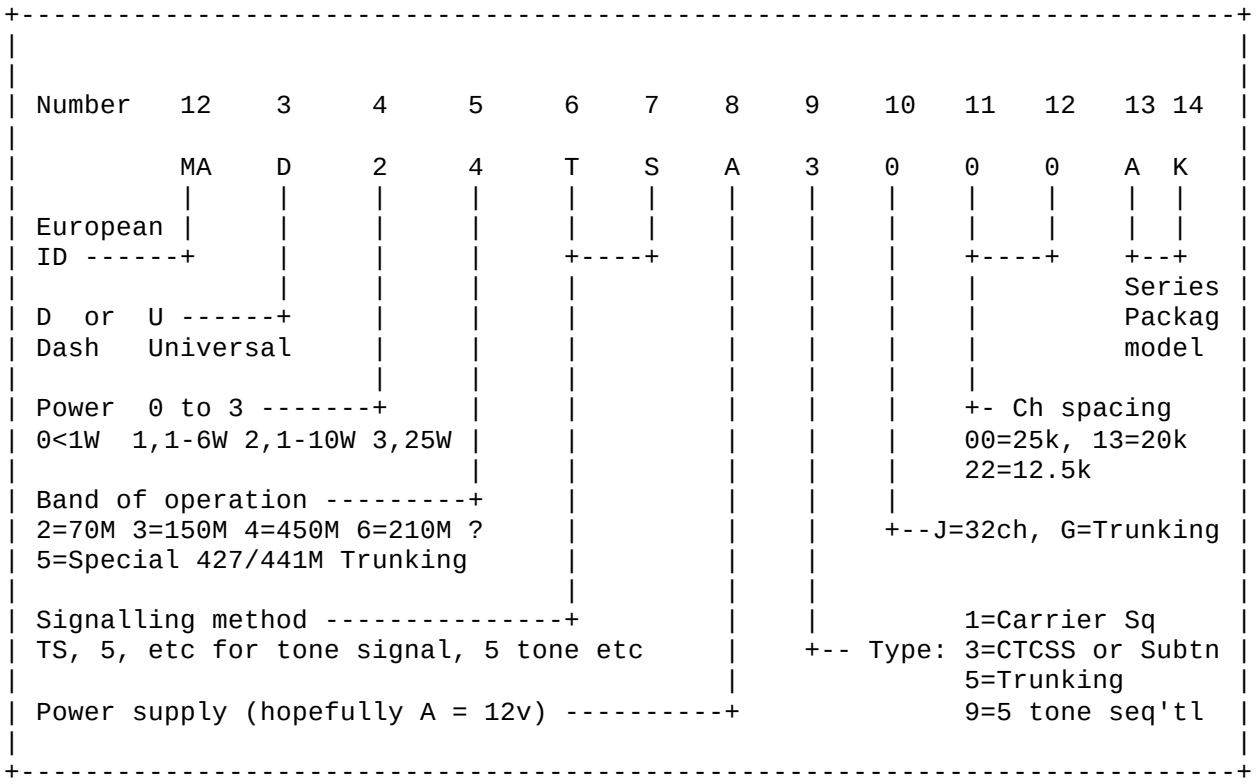
Lets break that down to the meaning of each character:-

GB7CIP/GB7CR MC80 9600bd 70cm link radio



MC80 Rear showing added 9 pin din socket and internal speaker

(snip this out and print it)



(some notes to go with above chart)

You have the radio in your hand, if it has a front panel, its Dash mount, (3=D)
Power: The most usual and most useful is 1-10W (4=2)
Band: You must look for, 5=2, 3 or 4 for 4m, 2m, 70cms
Signalling: For packet rip it out, though for repeaters you may be able to use one of the tones if you can get it to 1750Hz
Power: 12v only required (8=A)
Type: 1 for packet, 3 may be useful for repeaters fitted with CTCSS
Scheme: 32 channel (could be useful, convert, or put back to xtal control) if G, is trunking set, and needs a lot of work?
Spacing: for 4metres & 2metres, look for 11&12 = 22
for 70cms 11&12 =00 is preferred, especially for 9600 Baud.

The label is usually on the back panel, or on the 25w model (Big black block) on the underside of the PA block, on the Maxar, its on one side.

If anyone can provide information for the rarer types, I'll add it to the list.

Here is the crystal information for some of the more usual radios.

MOTOROLA MAXAR (68-104)	TX/6	RX-10.7/2
MOTOROLA MAXAR(104-141)	TX/6	RX-10.7/3
MOTOROLA MAXAR(142-174)	TX/9	RX-10.7/3
MOTOROLA MAXAR(380-520)	TX/27	RX-10.7/9
MOTOROLA MC80 (68-88)	TX/6	RX-10.7/2
MOTOROLA MC80 (104-174)	TX/9	RX-10.7/3
MOTOROLA MC80 (380-520)	TX/27	RX-10.7/9
MOTOROLA MICRO (UHF)	TX/36	RX-11.7/24
MOTOROLA CD100 (68-88)	TX/6	RX-10.7/6
MOTOROLA CD100(105-108)	TX/8	RX-10.7/6
MOTOROLA CD100(138-141)	TX/12	RX-10.7/9
MOTOROLA CD100(142-174)	TX/12	RX-10.7/9
MOTOROLA CD100 (UHF)	TX/36	RX-10.7/24
MOTOROLA MT500 (68-88)	TX/3	RX- 8.4/2
MOTOROLA MT500(142-174)	TX/3	RX-17.9/3
MOTOROLA MT500(380-520)	TX/9	RX-17.9/8
MOTOROLA MT700(142-174)	TX/9	RX-17.9/3
MOTOROLA MT700(380-520)	TX/24	RX-17.9/8
MOTOROLA HT440(142-174)	TX/9	RX-17.9/3
MOTOROLA HT440(403-430)	TX/27	RX+21.4/8
MOTOROLA HT440(440-512)	TX/27	RX-21.4/8
MOTOROLA MX320(VHFonly)	TX/3	RX-21.4/2
MOTOROLA MX330(VHFonly)	TX/3	RX-21.4/2
MOTOROLA PT400(VHFonly)	TX/18	RX-11.7/3

Mike G8AMG June 1998.