

# **AWA RT85 (Original)**

**2716 version**

## **Programming Notes**

These are notes collected from various sources such as VK3TAE and VK4TCS,

Includes HEX printouts of various eprom configurations both 2716 eprom and also the modified 2732 eprom version using the A11 line via a switch to provide two banks of 80 channels.

By VK2KFJ.

2732 Eeprom \$1.50  
2x banks

52 MHz.

File: 6metre32.dat

5kc spaced

52.550

Printed 21/04/2005 1:26 PM

52-525 Simp.  
53-550 Rptr

53.975  
(18x Rptrs)

53.000 \$1mp

\$3.500 Simpl

52-000

57.50

Simpex  
Channels

Start of  
2nd bank  
of 80 ch.

2nd bank  
of 80  
channels  
is same  
except  
Rptr  
channels  
are  
reversed



Offset hex.	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
000000000:	01	FF	FF	FF	02	00	EA	0E	03	00	EA	13	04	40	EA	18
000000010:	05	40	EA	1D	06	40	EA	82	07	40	EA	87	08	00	EA	8C
000000020:	09	00	EA	91	10	40	EA	96	11	FF	FF	FF	12	FF	FF	FF
000000030:	13	FF	FF	FF	14	FF	FF	FF	15	FF	FF	FF	16	FF	FF	FF
000000040:	17	00	EA	9B	18	00	EB	00	38	00	EB	05	FF	00	EB	0A
000000050:	FF	00	EB	0F	FF	00	EB	14	FF	40	EB	19	FF	00	EB	1E
000000060:	FF	40	EB	83	FF	00	E7	06	FF							
000000070:	FF															
000000080:	FF	40	E7	0B	FF	40	E7	10	FF	40	E7	15	FF	40	E7	1A
000000090:	FF	40	E7	1F	FF	00	E7	84	FF	40	E7	89	FF	00	E7	8E
0000000A0:	FF	00	E7	93	FF	40	E7	98	FF							
0000000B0:	FF															
0000000C0:	FF	40	E7	9D	FF	40	E8	02	FF	40	E8	07	FF	00	E8	0C
0000000D0:	FF	00	EB	11	FF	40	E8	16	FF	00	EB	1B	FF	40	E6	9C
0000000E0:	FF	40	E7	01	FF	40	E8	80	FF							
0000000F0:	FF															
000000100:	FF	40	E8	85	FF	40	E8	8A	FF	40	E8	8F	FF	40	E8	94
000000110:	FF	00	E8	99	FF	40	E8	9E	FF	40	E9	03	FF	00	E9	08
000000120:	FF	00	E9	D0	FF	40	E9	12	FF							
000000130:	FF															
000000140:	FF	40	E9	17	FF	00	E9	1C	FF	40	E9	81	FF	00	E9	86
000000150:	FF	40	E9	BB	FF	40	E9	90	FF	40	E9	95	FF	40	E9	9A
000000160:	FF	40	E9	9F	FF	00	EA	04	FF							
000000170:	FF															
000000180:	FF	40	EA	09	FF	7F	11	08	FF							
000000190:	FF															
0000001A0:	FF															
0000001B0:	FF															
0000001C0:	FF															
0000001D0:	FF															
0000001E0:	FF															
0000001F0:	FF															
000000200:	FF	FF	FF	FF	FF	41	24	20	FF							
000000210:	FF															
000000220:	FF															
000000230:	FF															
000000240:	FF															
000000250:	FF															
000000260:	FF															
000000270:	FF															
000000280:	FF															
000000290:	FF															
0000002A0:	FF															
0000002B0:	FF															
0000002C0:	FF															
0000002D0:	FF															
0000002E0:	FF															
0000002F0:	FF															
000000300:	FF															
000000310:	FF															
000000320:	FF															
000000330:	FF															
000000340:	FF															
000000350:	FF															
000000360:	FF															
000000370:	FF															
000000380:	FF															
000000390:	FF															
0000003A0:	FF															
0000003B0:	FF															
0000003C0:	FF															
0000003D0:	FF															
0000003E0:	FF															
0000003F0:	60	00	06	72	FF											
000000400:	00	FF	FF	FF	FF	40	E4	0E	FF	40	E4	13	FF	00	E4	18
000000410:	41	00	E4	1D	FF	00	E4	82	FF	00	E4	87	FF	40	E4	8C



Scan ch1 only.

5kHz channels 00,40

Test Eprom  
27/6

60ch / 1 scan

Printed 19/07/2004 10:20

File: Rt85v3.bin TEST 06m

6m

Offset hex.	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000:	01	FF	FF	FF	FF	00	EA	0E	FF	00	EA	13	FF	40	EA	18
00000010:	FF	40	EA	1D	FF	40	EA	82	FF	40	EA	87	FF	00	EA	8C
00000020:	FF	00	EA	91	FF	40	EA	96	FF							
00000030:	FF															
00000040:	FF	00	EA	9B	FF	00	EB	00	FF	00	EB	05	FF	00	EB	0A
00000050:	FF	00	EB	0F	FF	00	E8	14	FF	40	EB	19	FF	00	EB	1E
00000060:	FF	40	E8	83	FF	00	E7	06	FF							
00000070:	FF															
00000080:	FF	40	E7	0B	FF	40	E7	10	FF	40	E7	15	FF	40	E7	1A
00000090:	FF	40	E7	1F	FF	00	E7	84	FF	40	E7	89	FF	00	E7	8E
000000A0:	FF	00	E7	93	FF	40	E7	98	FF							
000000B0:	FF															
000000C0:	FF	40	E7	9D	FF	40	E8	02	FF	40	E8	07	FF	00	E8	0C
000000D0:	FF	00	E8	11	FF	40	E8	16	FF	00	E8	1B	FF	40	E6	9C
000000E0:	FF	40	E7	01	FF	40	E8	80	FF							
000000F0:	FF															
00000100:	FF	40	E8	85	FF	40	E8	8A	FF	40	E8	8F	FF	40	E8	94
00000110:	FF	00	E8	99	FF	40	E8	9E	FF	40	E9	03	FF	00	E9	08
00000120:	FF	00	E9	0D	FF	40	E9	12	FF							
00000130:	FF															
00000140:	FF	40	E9	17	FF	00	E9	1C	FF	40	E9	81	FF	00	E9	86
00000150:	FF	40	E9	88	FF	40	E9	90	FF	40	E9	95	FF	40	E9	9A
00000160:	FF	40	E9	9F	FF	00	EA	04	FF							
00000170:	FF															
00000180:	FF	40	E9	09	FF	7F	11	08	FF							
00000190:	FF															
000001A0:	FF															
000001B0:	FF															
000001C0:	FF															
000001D0:	FF															
000001E0:	FF															
000001F0:	FF															
00000200:	FF	FF	FF	FF	FF	41	24	20	FF							
00000210:	FF															
00000220:	FF															
00000230:	FF															
00000240:	FF															
00000250:	FF															
00000260:	FF															
00000270:	FF															
00000280:	FF															
00000290:	FF															
000002A0:	FF															
000002B0:	FF															
000002C0:	FF															
000002D0:	FF															
000002E0:	FF															
000002F0:	FF															
00000300:	FF															
00000310:	FF															
00000320:	FF															
00000330:	FF															
00000340:	FF															
00000350:	FF															
00000360:	FF															
00000370:	FF															
00000380:	FF															
00000390:	FF															
000003A0:	FF															
000003B0:	FF															
000003C0:	FF															
000003D0:	FF															
000003E0:	FF															
000003F0:	60	00	02	00	FF											
00000400:	00	FF	FF	FF	FF	40	E4	0E	13	FF	00	E4	18	FF	FF	FF
00000410:	41	00	E4	1D	FF	00	E4	82	FF	00	E4	87	FF	40	E4	8C

TX

TX



Offset hex.	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000:	01	40	E7	01	02	40	EA	82	03	40	EA	87	04	00	EB	0A
00000010:	05	00	EB	0F	06	40	EA	1D	07	00	EA	8C	08	00	EA	0E
00000020:	09	40	EB	83	10	00	EA	04	11	FF	FF	FF	12	FF	FF	FF
00000030:	13	FF	FF	FF	14	FF	FF	FF	15	FF	FF	FF	16	FF	FF	FF
00000040:	17	00	EB	9B	18	00	EB	00	38	00	EB	05	FF	00	EB	0A
00000050:	FF	00	EB	0F	FF	00	EB	14	FF	40	EB	19	FF	00	EB	1E
00000060:	FF	40	EB	83	FF	00	EB	06	FF							
00000070:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000080:	FF	40	E7	0B	FF	40	E7	10	FF	40	E7	15	FF	40	E7	1A
00000090:	FF	40	E7	1F	FF	00	E7	84	FF	40	E7	89	FF	00	E7	8E
000000A0:	FF	00	E7	93	FF	40	E7	98	FF							
000000B0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000C0:	FF	40	E7	9D	FF	40	E8	02	FF	40	E8	07	FF	00	E8	0C
000000D0:	FF	00	EB	11'	FF	40	E8	16	FF	00	EB	1B	FF	40	E6	9C
000000E0:	FF	40	E7	01	FF	40	E8	80	FF							
000000F0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000100:	FF	40	E8	85	FF	40	E8	8A	FF	40	E8	8F	FF	40	E8	91
00000110:	FF	D0	00	99	FF	40	E8	9E	FF	40	E9	03	FF	00	E9	08
00000120:	FF	00	E9	0D	FF	40	E9	12	FF							
00000130:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000140:	FF	40	E9	17	FF	00	E9	1C	FF	40	E9	81	FF	00	E9	86
00000150:	FF	40	E9	8B	FF	40	E9	90	FF	40	E9	95	FF	40	E9	9A
00000160:	FF	40	E9	9F	FF	00	EA	04	FF							
00000170:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000180:	FF	40	EA	09	FF	7F	11	08	FF							
00000190:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001A0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001B0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001C0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001D0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001E0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001F0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000200:	FF	FF	FF	FF	FF	41	24	20	FF							
00000210:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000220:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000230:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000240:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000250:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000260:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000270:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000280:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000290:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000002A0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000002B0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000002C0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000002D0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000002E0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000002F0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000300:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000310:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000320:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000330:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000340:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000350:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000360:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000370:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000380:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000390:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000003A0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000003B0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000003C0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000003D0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000003E0:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000003F0:	60	00	06	72	FF											
00000400:	00	00	E4	09	FF	00	E4	82	FF	00	E4	87	FF	40	E5	0A
00000410:	41	40	E5	0F	FF	00	E4	1D	FF	40	E4	8C	FF	40	E4	0E





