

# APPENDUM (paperwork V1.0)

been enhanced in several areas. The upper frequency  
ivity has been increased (now officially covering to 100kHz)  
further bandpass filters and selection of alternative I.F.  
h active SPM aerial switching devices (not diode-switching)  
rk2 provides remarkable short wave performance, making  
ever daily operation of the AR8600 Mark2 is largely

ed

audio out now being squelch controlled

ged

Mark2 provides cross referencing to the specific page

8600 Mark2	Page number
kHz - 3000MHz	P.143
ed	P.106 - 107
ed	P.106 - 107
io squelch	P.8
trolled with mute	
used as audio is	P.8
elch controlled	
sed calibration	P.68 - 69

/ dimmer on. While  
ting, it is nice to dim  
, 'DIMMER' with a

BEEP 06

PUSH  to

ates either  
ere may be

## REASSIGNMENT OF ACC SOCKET

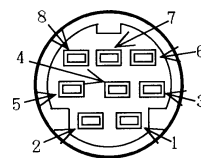
The AR8600 Mark2 provides squelch controlled audio output to pins 6 & 7 of the rear panel ACC connector. For this reason, pins 4 & 5 no-longer have relay controlled squelch switching.

The audio output and detector levels have been revised.

Refer to page 8 of the operating manual.

### ACC connections

- 1 5V d.c. output  
max current 30mA
- 2 Detector output  
50mV @ 100k OHMS
- 3 N/C
- 4 N/C
- 5 N/C
- 6 High level audio output 300mV @ 600 OHMS
- 7 Low level audio output 30mV @ 600 OHMS
- 8 Ground



## CR5000 tape lead

The optional tape connecting lead CR5000 may still be used as switched audio will be provided via the 3.5mm mono jack plug of the lead, however the 2.5mm mono jack plug previously used for tape motor switching is no-longer used.

## SCAN / SEARCH - LEVEL SQUELCH

The relationship between level squelch and signal meter has been revised. This affects VFO SEARCH LEVEL SQUELCH (page 47 section 4-4-3 of the operating manual), SCAN LEVEL SQUELCH (page 68 section 7-8-2 of the operating manual) and PROGRAM SEARCH LEVEL SQUELCH (page 84 section 8-7-2 of the operating manual).

In each case, the following table replaces that previously employed:

1	2	3	4	5	6	7	8	9	10	11	12	13	14
4	7	12	16	19	23	28	30	35	39	43	47	51	54

The typical level at which the "★" legend will be extinguished is now in the region of 3 - 45.

## I.F. OUTPUT for spectrum display operation

The I.F. output is already activated on standard stock units for reception of WFM, please contact your supplier if you require the I.F. output in all modes. **Note:** As the 34.35MHz oscillator of the WFM circuit is used to produce the 10.7MHz I.F. output, activation in ALL MODES increases the number of internal spuri produced by the AR8600 / AR8600 Mark2.

The I.F. output of the AR8600 / AR8600 Mark2 is +/- 2MHz (bandwidth 4MHz total). When used in conjunction with the SDU5500 spectrum display unit, the SDU5500 should be set to OTHER radio and used as a 'passive' bandscope. The SDU5500 will not support the AR8600 / AR8600 Mark2 as a specific 'active' radio type.

## TUNING STEP SIZE & AUTO BANDPLAN

As the AR8600 Mark2 will tune to a lower receive frequency of 100kHz (0.1MHz), it is necessary to consider the tuning step size to prevent anomalies occurring. It is important that the tuning step is SMALLER than the receive frequency... for example, if you have a receive frequency of 100kHz, the tuning step should be set to 50kHz or something more appropriate such as 9kHz or 10kHz, if receiving 200kHz then the tuning step size should be set to 100kHz or something more appropriate such as 9kHz or 10kHz. This is very important when a PROGRAM SEARCH or VFO SEARCH is carried out. Ideally the receive frequency should be divisible by the tuning step, resulting in a round number greater than one 500kHz / 10kHz = 50, okay. When the receive frequency is greater than 1MHz, no anomaly will be created as the maximum tuning step size is always smaller than 1MHz.

The auto bandplan data may be modified using the AOR WORKSHOP PC software, this is available as a free download from the AOR web sites (you will require an optional standard RS232 cable)

## NOTE WHEN USING HEADPHONES

When using HEADPHONES, it is recommended that the KEYPAD BEEP be reduced to a level of 1 or disabled from the CONFIG menu... the BEEP level has been set as a confirmation tone for noisy mobile environments - it sounds very loud when using headphones, caution is required.

AOR LTD, 2-6-4 Misuji, Taito-Ku, Tokyo 111-0055, Japan Tel: +81 3 3865 1695 Fax: +81 3 3865 1697

e-mail: [post@ajorja.com](mailto:post@ajorja.com) web: [www.ajorja.com](http://www.ajorja.com)