

OS8200 cable - AR8200 change of pin-out assignment to side AUX connector

It has become apparent that the **AR8200 Series-2** side AUX connector pin-out assignment changed (around November'00), this affects the list presented on page 117 of the AR8200 operating manual. Every printed circuit board in the **later** Series-2 is slightly different to the earlier sets with additional tracks and components. In particular the EARTH connections require special attention. The MK3 AUX connector is the same as the later MK2:

OS8200 cable	AR8200 Series-1 (gn)	AR8200 MK2 / MK3 (bk)
RED	+4.2V	+4.2V
BLACK	RXD	RXD
BLUE	GROUND	+4V supply *
BROWN	MUTE	MUTE
ORANGE	AGC	S-METER
SHIELD	GROUND	GROUND
WHITE	TXD	TXD
YELLOW	GROUND	GROUND
GREEN	AUDIO OUT	AUDIO OUT
GREY	DETECTOR OUT	DETECTOR OUT
PURPLE	GROUND	AGC **

Grounds used in the AR8200 Series-1	Shield, Yellow, Purple*, Blue**
Grounds used in the AR8200 MK2 / MK3	Shield, Yellow

* **PURPLE IS AGC** (I.E. VOLTAGE REDUCES WITH SIGNAL AS OPPOSED TO S-METER LEVEL ON ACC SOCKET WHICH INCREASES WITH SIGNAL).

** **BLUE IS 4V SUPPLY** - THIS IS THE CONFUSING BIT AS IT DOESN'T APPEAR TO BE THE MAIN 4V SUPPLY - ONLY THE SUPPLY FOR PART OF THE AGC CIRCUIT (WHICH ISN'T SHOWN ON THE CIRCUIT DIAGRAM).

AOR UK LTD, 07.02.2002 - revised for MK3 25.11.2002

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