

INSTRUCTIONS FOR FITTING ANALOGUE INPUT CARDS IA10 AND IA20 TO A MERIDIAN 861

1.0, 12/11/97

INTRODUCTION

Analogue input card IA10 allows the connection of two extra balanced analogue input sources to an 861.

IA20 allows the connection of three additional unbalanced sources.

This sheet is intended as an installation guide for the fitting of cards IA10 and IA20 to a Meridian 861.

Note: IA10 and IA20 input cards can only be added to 861 units which already have IA00, the six input analogue card, installed.

WARNINGS

1. The power cord must be disconnected when any casing is removed.
2. Static sensitive parts are revealed when fitting these modules.

TOOLS REQUIRED

No. 0 pozidrive screwdriver
3/16 inch flat blade screwdriver

SOFTWARE

These cards require the installation of 861 software version 1.4 or higher in order to operate. Before beginning installation of the new hardware, check the software version of the 861 is equal to or higher than the version number supplied with the module. This number is clearly marked on the 3.5inch floppy disc label.

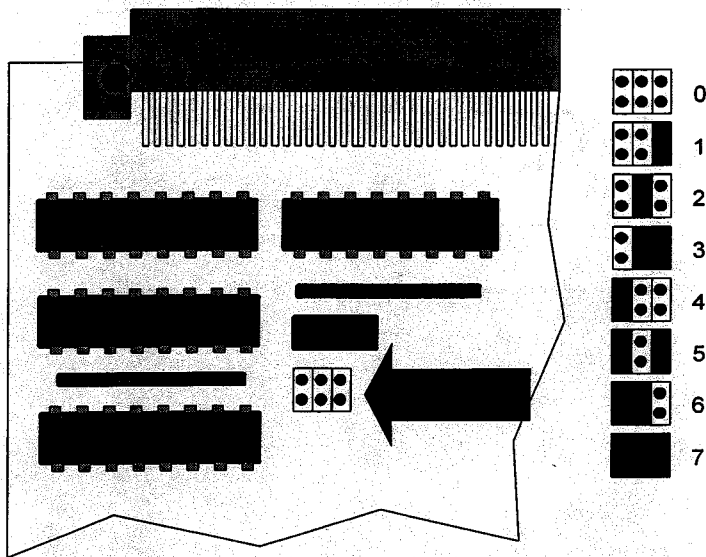
The 861's software version number can be found by holding down the **display key** which is located under the flap on the front panel, whilst the unit is in standby. The unit will display **Meridian 861 x.xx** where x.xx is the version number.

If the software requires upgrading, proceed with this **first**, following the instructions found in the Meridian 861 supplement.

JUMPER SETTINGS

Up to 8 of each of these cards can be fitted to an 861. Different cards of the same type are differentiated by fitting the jumpers supplied on the cards as shown in the diagram below. If you have only one of these cards, the card is number 0, and no jumpers need to be fitted.

This card number corresponds to the 'Card Number' for the audio input in the Sources section of the setup program. See 'Setting up Sources' below.

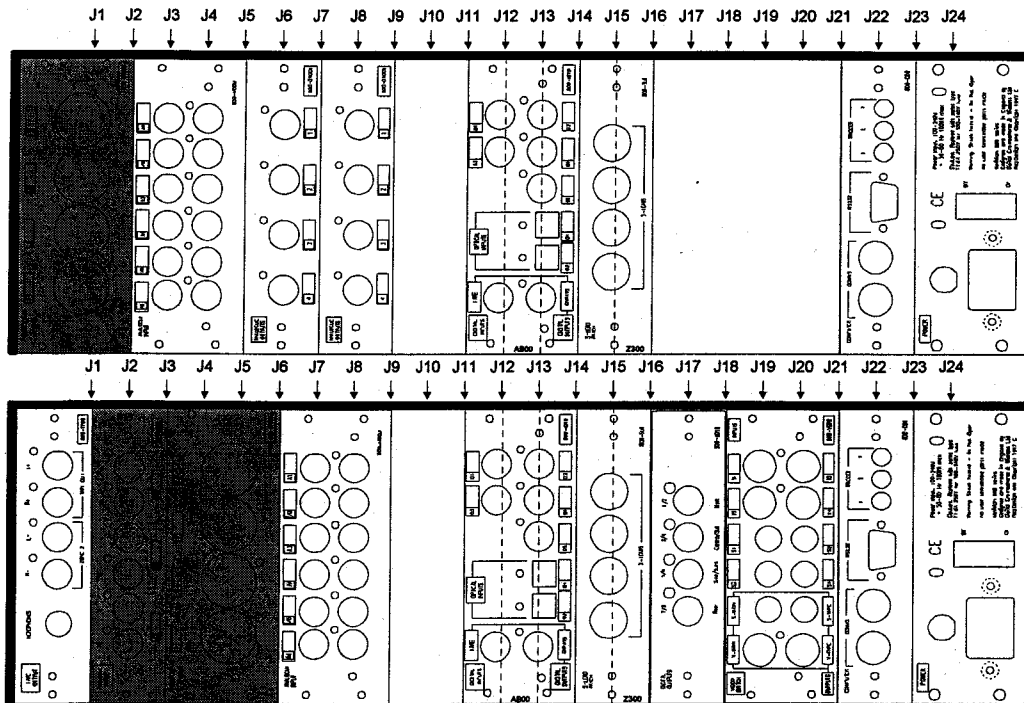


SITING

The diagrams below show two typical 861 installations.

Looking at the **back** of the 861. IA10 and IA20 should be fitted to the **left** of IA00 and to the **right** of the tape card (TP00), if fitted.

Note: The digital input card, the computer card and the DSP cards should **not** be removed and re-sited.



INSTALLATION PROCEDURE

Note: Observe static precautions throughout the installation period.

1. Switch off the unit and remove the power cord.
2. Remove blanking panels as required using a No. 0 pozidrive screwdriver. Retain panel and fixings.
3. Move IA00 to the right if required, to allow room for the new card/cards.
4. Slide the new card into the guide rails, adjacent to the left hand side of IA00's panel (see diagram above). Ensure correct card orientation (component side of IA10/IA20 leftmost when viewed from the rear).
5. Check the card is aligned correctly and slides freely down the card guides. Do **not** push the card home at this stage.
6. Slide IA00 out far enough to access connector K10. This is a red connector located behind the screening can, towards the top of the card and approximately halfway down its length. It is similar in appearance to fig 3 below.
7. Identify pin one on this connector, see fig 2. Looking at the solder side of the printed circuit board (PCB) pin 1 should be nearest the mother board.

8. Similarly access the connector on the **solder** side of IA10/20 (this is the **only** component on this side of the PCB) and identify pin one looking on the component side. This should be towards the rear panel of IA10/20.

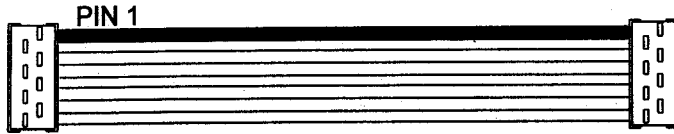


fig 1

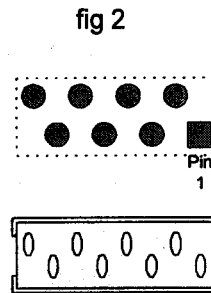


fig 3

9. Connect the jumper supplied, (see figure 1 above) between the two cards. Pin one to pin one on both connectors. The red stripe denotes pin one on the jumper. **Note:** This will require the jumper to be twisted 180 degrees between cards. If the ribbon is fitted reversed i.e. pin one to pin eight, the system will still function but left and right channels will be reversed.
10. Push both cards gently together, to avoid straining the ribbon jumper, until the rear panels are flush to the case. If the cards are aligned correctly in the card guides then only slight force will be required to mate the connectors.
11. Gently tighten the rear fixings using the flat blade screwdriver. **Do not over tighten.**
12. Connect the analogue sources to the new inputs as required.
13. Re-connect the power cord and switch on.
14. Select the new input.

Note:

- Additional analogue input cards can be added using the same procedure as above. The cards are daisy chained in the same manner, with the exception that the jumper does not require a 180 degree twist when fitted between cards other than IA00.

SETTING UP SOURCES

The new inputs can be selected by setting up a Source for them in the Meridian Setup program. When the program is running, go to **Current Settings**, then **Sources**. Click on the source you wish to connect to this card. Select its **Audio** tab, then by **Card Type** select IA10 or IA20. Then set the **Card Number** to match the jumper options set on the card (number 0 if there is only one card fitted). Then Select the **Input on Card** required and the input **Sensitivity**.