

TOSHIBA

Toshiba HX-MU 901 Technical Information

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Toshiba HX- MU 901 keyboard

Technical information

Version 1.1

By HansO, 2001

Checked and enhanced by Bas Kornalijnslijper

The information in this article is gathered by opening up a well-functioning HX-MU901 musical keyboard and checking all connections. No guarantee is given that this information is correct. You may use this information at your own risk.

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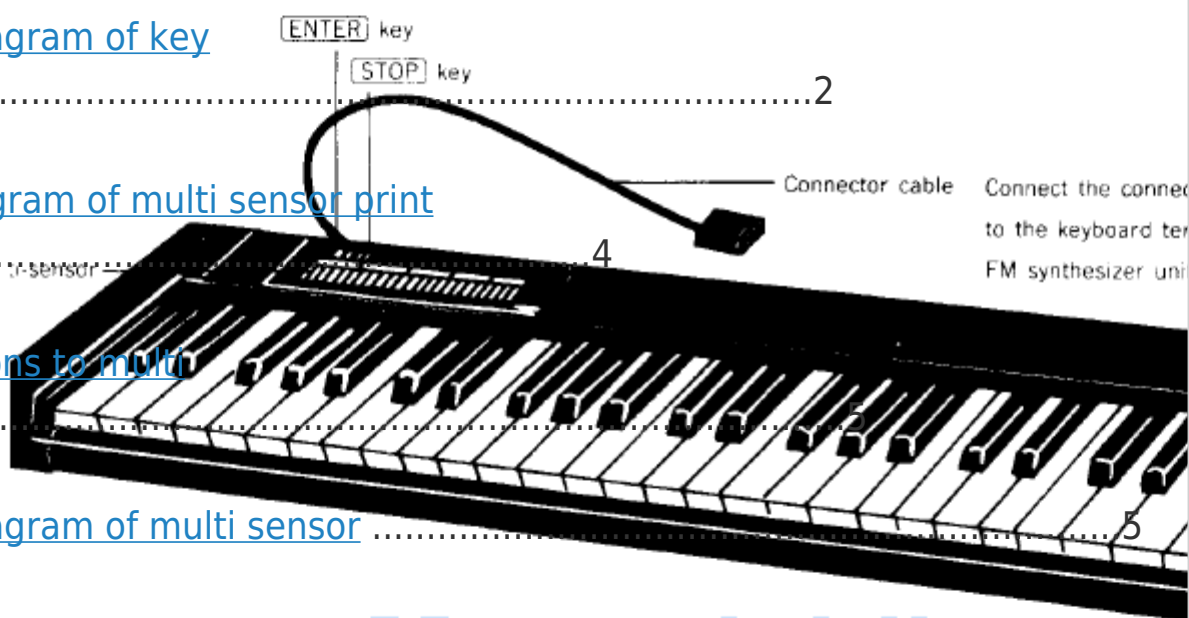
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Toshiba HX- MU 901 keyboard Technical information Version 1.1 By HansO, 2001 Checked and enhanced by Bas Kornalijnslijper The information in this article is gathered by opening up a well-functioning HX-MU901 musical keyboard and checking all connections. No guarantee is given that this information is correct.

[Page 2: Specification](#)

1 Specification • Musical keyboard with 49 keys • multi sensor • can be used with Toshiba HX-MU900 MSX music module • same connector as NMS1160 Philips keyboard but not compatible 2 Parts The parts of the keyboard are: 2.1 Key print...

[Page 4: Block Diagram Of Multi Sensor Print](#)

4 Block diagram of multi sensor print 1 red Multi sensor Out lines 1 black To external To external keyboard connector 1 connector 2 8 red 7 red 14 diodes In lines keyboard greenwhite 10 brown/white 1 green 1 violet...

[Page 5: Connections To Multi Sensor](#)

5 Connections to multi sensor The multi sensor is connected with a flexible 16 line wire to the multi sensor print. It shares some of the in lines as scanning matrix lines and has two separate out lines (black and white from external connector 2). The numbering for the multi sensor connector seen from the bottom side of the print is shown in the next figure.

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6 Wiring 6.1 Key-print 15 pen connector out part to multi sensor print Connects: • print connector out lines keyboard to • external connector 1 Pen Key print 15 pen connector To external connector 1 out part Blue Red/white Black Orange White Orange/white Yellow...

[Page 7: External Connector](#)

6.3 External connector Brown Brown/white Red/white Orange Orange/white Yellow Yellow/white Green Green/white Blue Blue/white Violet Light green Grey Light blue White Pink Black Shielding Notes: These wires are not connected to the keyboard switches: • Wire 18 (pink) is not connected in the keyboard •...