TOSHIBA

Toshiba HX-MU900 Manual

Music module expander

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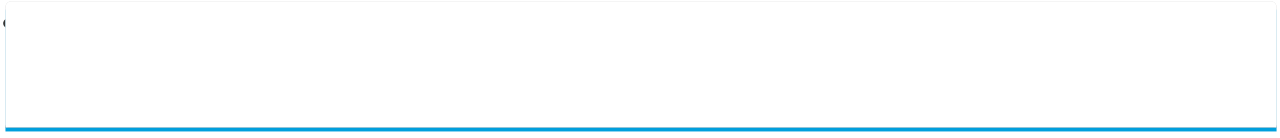

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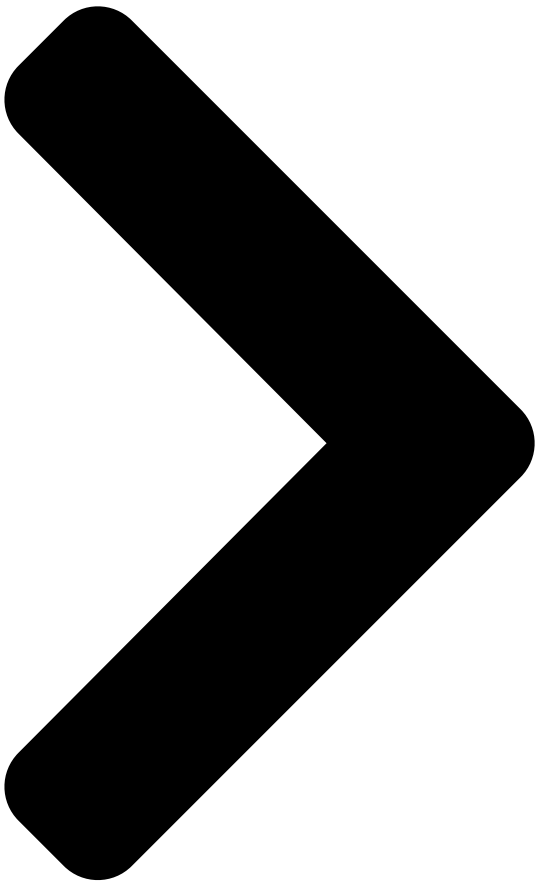

Toshiba HX-MU900 Music Module Expander

256 kB Sample RAM, MSX-Audio Basic, original software

Original by: Bas Kornalijnslijper

Translated by: Bart Hamer

Warning:

The most important part in the Music Module is the printed circuit board (PCB). Parts can be replaced, but not the PCB. Do not try to unsolder the parts, but cut them loose and then remove the solder pins. The use of IC sockets is recommended.

Upgrade package contents:

Completely pre-assembled expansion board with 256 kB Sample RAM
-
-
EPROM containing MSX-Audio Basic and adjusted original software
SRAM memory chip (SRM2264C)
-
74LS139
-

1 KΩ resistor (2 pieces)
-
-
47 µF capacitor
0,1 µF capacitor
-
Wire
-
The contents of the upgrade package.

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Related Manuals for Toshiba HX-MU900

Extender Toshiba HX-MU900 Manual

Music module expander version 2, 256 kb sample ram, msx-audio basic, original software (6 pages)

Summary of Contents for Toshiba HX-MU900

Page 1 Toshiba HX-MU900 Music Module Expander 256 kB Sample RAM, MSX-Audio Basic, original software Original by: Bas Kornalijnslijper Translated by: Bart Hamer Warning: The most important part in the Music Module is the printed circuit board (PCB). Parts can be replaced, but not the PCB.

Page 2 Preparation: Remove IC2 (EPROM on IC socket). Remove the solder tin from the pin holes at the empty place of IC3. Remove the solder tin from the pin holes at the empty place of IC6. Remove the solder tin from the pin holes at the empty place of C21. Remove wire bridge J2.

Page 3 Installation (bottom side PCB): Connect pin 3 of IC8 (74LS05) to pin 36 of IC1 (Y8950). Place a 1 KΩ resistor between pin 9 of IC1 (Y8950) and GND of C1 or C2. Place a 1 KΩ resistor between pin 4 of IC8 (74LS05) and pin 14 of IC8 (74LS05). Installation of expansion board with 256 kB Sample RAM: The PCB is provided with an adhesive layer and must be attached to IC1 (Y8950).

Page 4 Establish the following connections at the bottom side of the PCB: Colour Wire no. Connect to Green (1) IC1 (Y8950) pin 29 Blue (1) IC1 (Y8950) pin 30 Brown (1) IC1 (Y8950) pin 32 Yellow (1) IC1 (Y8950) pin 37 Purple (1) IC1 (Y8950) pin 38 Orange (1)