Hi-Fi Speaker System

SB-M500M2

### SPECIFICATIONS

**Type**
3 way, 4 speaker system

**Speaker**
- Woofer: Dual Dynamic Drive System
- 18 cm Passive Radiator
- 14 cm cone type driver unit
- Midrange: 14 cm cone type
- Tweeter: 2.5 cm dome type

**Impedance**
6 Ω

**Input power**
- 160 W (MUSIC)
- 80 W (DIN)

**Output sound pressure level**
86 dB (MUSIC)

**Cross over frequency**
- 90 Hz, 2.5 kHz

**Frequency range**
- 35 Hz - 70 kHz (-16 dB)
- 41 Hz - 55 kHz (-10 dB)

**Dimensions (W x H x D)**
214 x 890 x 365 mm

**Weight**
18.5 kg

**Notes:**
Specifications are subject to change without notice. Weight and dimensions are approximate.

### SPECIFICATIONS

**Type**
3-voies, 4-haut-parleurs

**Haut-parleurs**
- Graves: Dual Dynamic Drive System
- 18 cm diffuseur passif
- 14 cm type a cone excitéur actif
- Moyennes: 14 cm type a cone
- Aguis: 2.5 cm type dome

**Impédance**
6 Ω

**Entrée maximale**
- 160 W (Musique)
- 80 W (DIN)

**Niveau de pression sonore de sortie**
86 dB/W (1.0 m)

**Fréquence de conmutation**
- 90 Hz, 2.5 kHz

**Gamme de fréquences**
- 35 Hz - 70 kHz (-16 dB)
- 41 Hz - 55 kHz (-10 dB)

**Dimensions (W x H x D)**
214 x 890 x 365 mm

**Poids**
18.5 kg

**Notes:**
Subject to change without preavis. Poids et dimensions sont approximatifs.

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### WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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**DISASSEMBLY INSTRUCTIONS**

### Removal of the Speaker Net

**Ref. No. 1**
Procedure 1

- Remove the Speaker Net in the direction of arrow.

### Removal of the Speaker Midrange

**Ref. No. 2**
Procedure 1 → 2

1. **Step 1**
   - Remove the 4 screws
   - Hexagonal Wrench (4mm)

2. **Step 2**
   - Remove the Speaker Ornament

3. **Step 3**
   - Remove the 4 screws

### Removal of the Speaker Tweeter

**Ref. No. 3**
Procedure 1 → 3

1. **Step 1**
   - Remove the 4 screws

2. **Step 2**
   - Remove the Speaker Tweeter in the direction of front part

3. **Step 3**
   - Remove the 2 Speaker terminals

- Screw Ø 5 x 16 mm
- Screw Ø 4.2 x 16 mm

**Screw**
- Screw Ø 4 x 16 mm
**Removal of the Front Panel**

**Procedure 1 → 4**

**Step 1**
- Remove the 4 Catch Pin

**Step 2**
- Remove the 4 Net Holder

**Step 3**
- Remove the 4 screws

**Step 4**
- Remove the Front Panel in the direction of front part

**ATTENTION**
This absorber should cover the cables of the connection with the Speaker Midrange. So that they don't touch the cavity.

**Removing the Net Holder**

To make space

- Screwdriver
- Pincers

1. To use a screwdriver and make space between the front panel and the Net Holder.
2. To insert the pincers type point and take the Net Holder to rotate.

*Pay attention not to break the Net Holder. Please, they stock the Net Holder. (SHG8G9044).*

**Inserting the Net Holder and Catch Pin**

1. Insert the Net Holder using the 5 mm type hexagonal wrench or similar tool like rod.
2. After inserting the Catch Pin, press the Catch Pin covering with cloth using the hammer or screwdriver grip.
Ref. No. 5

Removal of the Network Ass'y

Procedure
1 → 2 → 3 → 4 → 5

Step 1
• Remove the gasket Front Panel in the direction of arrow

Step 2
• Remove the 2 Absorbers in the direction of arrows

Step 3
• Remove the 2 Terminals

Step 4
• Remove the 2 screws

Step 5
• Remove the Cavity and gasket in the direction of arrow

Step 6
• Remove the gasket Cavity

Step 7
• Remove the Absorber

Screw Ø 4.2 x 8 mm

Ref. No. 6

Removal of the Speaker Woofer Frontal

Procedure 1 → 6

Step 1
• Remove the 2 Catch Pin

Step 2
• Remove the 2 Net Holder

Removal of the Net Holder

To make space

1. To use a screwdriver and make space between the front panel and the Net Holder.
2. To insert the pincers type point and take the Net Holder to rotate.
   • Pay attention not to break the Net Holder. Please, they stock the Net Holder. (SH868G9044).

Inserting the Net Holder and Catch Pin

1. Insert the Net Holder using the 5 mm type hexagonal wrench or similar tool like rod.
2. After inserting the Catch Pin, press the Catch Pin covering with cloth using the hammer or screwdriver grip.
Step 3
- Remove the 2 screws

Step 4
- Remove the Ornament Frontal in the direction of arrow

Step 5
- Remove the Net Frame in the direction of arrow

ATTENTION
- When assembling the Passive Radiator put UP mark to upward.

Step 6
- Remove the 6 screws

Step 7
- Remove the Passive Radiator and gasket.

Step 8
- Remove the 4 screws

Step 9
When removing the speaker fitting it as indicated in this picture

Screw Ø 4.2 x 25 mm  Screw Ø 4.2 x 25 mm  Screw Ø 4.2 x 20 mm
Ref. No. 7  
**Removal of the Speaker Woofer Rear**

**Procedure 7**

**Step 1**
- Remove the 6 screws

**ATTENTION**
- When assembling the Passive Radiator put UP mark to upward.

**Step 2**
- Remove the Passive Radiator and gasket.

**Step 3**
- Remove the 4 screws

**Step 4**
- When removing the speaker tilting it as indicated in this picture

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Ref. No. 8  
**Removal of the Terminal Block**

**Procedure 8**

**Step 1**
- Remove the 4 screws

**Step 2**
- Remove the 2 Terminals HF

**Step 3**
- Remove the 2 Terminals LF

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**Screw Ø 4.2 x 25 mm**

**Screw Ø 4.2 x 20 mm**
SCHEMATIC DIAGRAM
(This schematic diagram may be modified at any time with development of new technology.)
(Este esquema puede ser modificado en cualquier momento con el desarrollo de nuevas tecnologías.)

⚠️ ⚠️ ⚠️ NON POLAR CAPACITOR
⚠️ ⚠️ ⚠️ POLY SWITCH

SECTION VIEW
EXPLoded VIEW
## Replacement Parts List

Notes 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. MAES indicates parts that are supplied by MAES.
   Nota 1. El código está indicado en la mayoría de las piezas. Por favor use este código para sus pedidos.
   2. La indicación MAES significa recambios suministrados a través de MAES.

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**ACCESSORIES**

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**PACKING PARTS**

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