



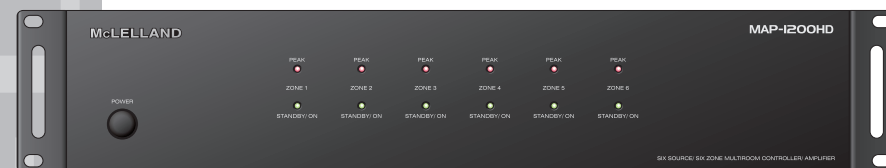
MANSION INDUSTRY CO.,LTD

5FL. No. 6 Szu Wei Lane, Chung Cheng Rd.
Hsin-Tien City, Taiwan, R.O.C.(231)
TEL.: +886-2-22189212
FAX: +886-2-22187983

www.mclellandmusic.com

MAP-1200HD INSTRUCTION BOOK

6 Source/Zone Audio Distribution Amplifier





IMPORTANT SAFETY INSTRUCTIONS



INSTRUCTIONS PER TAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

INSTRUCTIONS RELATIVES AU RISQUE DE FEU, CHOC ÉLECTRIQUE, OU BLESSURES AUX PERSONNES

CAUTION:
TO REDUCETHE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

AVIS:
AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ APS LE COUVETR (OU LE PANNEAU ARRIERE)
NE CONTIENTAUCUNE PIECE REPARABLE PAR L'UTILISATEUR.
CONSULTEZ UNTECHNICIEN QUALIFIE POUR L' ENTRETIEN

Read Instructions

The Owner's Manual should be read and understood before operation of your unit. Please, save these instruction for future reference.

Packaging

Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning

When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owner's manual or as marked on the unit. This unit has a polarized plug. Do not used with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the used of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

The AC supply cord should be routed so that it is unlikely that it will be damaged. If the AC supply cord is damaged DO NOT OPERATE THE UNIT.

Service

The unit should be serviced only be qualified service personnel.

Veillez Lire le Manuel

Il contient des informations qui devraient étres comprises avant l'opération de votre appareil. Conservez S.V.P. ces instructions pour consultations ultérieures.

Emballage

Conservez la boite au cas ou l'appareil devait étre retourner pour réparation.

Attention:

Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit étre branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent étres prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant.

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appelil ne doit pas étre exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vasos ne doit étre placé sur l'appareil.

Assurez que l'appareil est fourni de la propre ventilation.

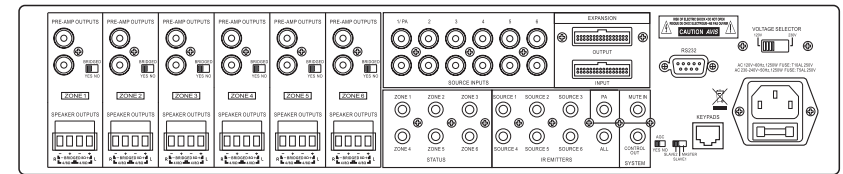
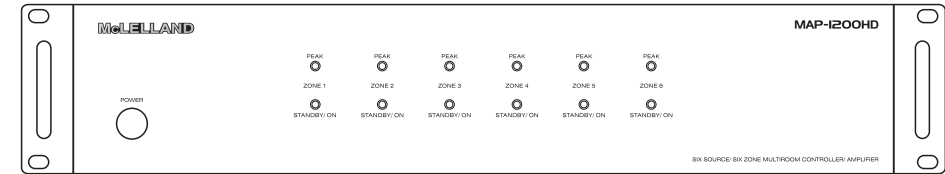
Les dispositifs marqués d'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent étre effectués par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d' Alimentatio

Évitez d'endommager le cordon d'alimentation. N'UTILISEZ PAS L'APPAREIL si le cordon d'alimentation est endommagé.

Service

Consultez un technicien qualifié pour l'entretien de votre appareil.



Introduction

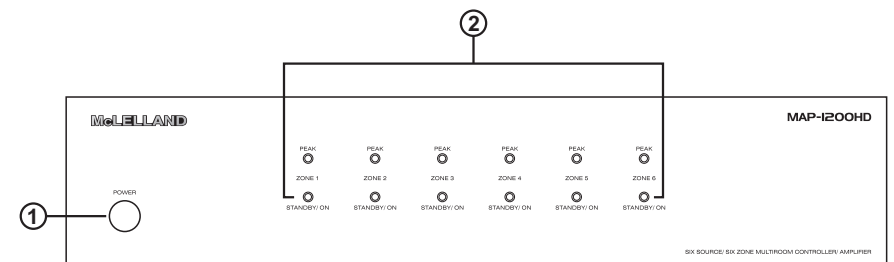
The MAP-1200HD is a functional, easy-to-install, highly compatible, expandable, and used-friendly audio distribution system. After easy setting steps, it provides up to 25W @ 8 Ohm Power by Class D amplifier and distribute at most to 18 zones which at can be controlled by packaged keypads and/or IR remote controller.

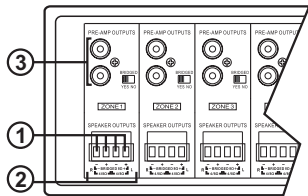
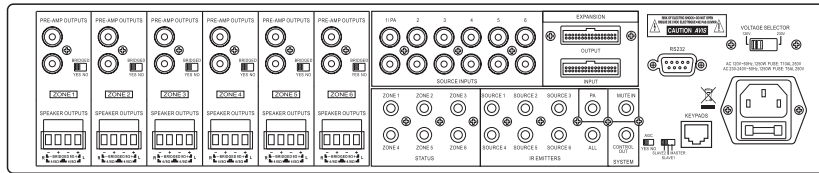
The overall distribution system including package devices is easy-to-install, so every audiophile in every zone can use IR controller or keypads to enjoy the powerful audio.

MAP-1200HD is a functional product with the latest digital amplifier technology, Don't hesitate to contact us to check one out.

Front Panel

1. Power : The switch turns the AC mains input ON or OFF
2. Zone LED Status: The LED indicates the status of each zone, when there is a signal input, LED light goes on. Total of 6 LED lights will go on only at all channels signal input inserted.





Rear Panel

1. Stereo Connections: Insert bare wire end into Euro Block cover properly. Connect the left and right '+' '-' system leads from two speakers

2. Bridge Connections (BTL): Insert bare wire end into Euro Block cover properly. Connect the left '+' and right '+' leads from one speaker.

3. Zone Pre-AMP Output : Connect External Power Amplify

4. Expansion Connector: These connections are used to bridge one unit to another. It can expand the system up to three units. The output can reach eighteen channels at most, but the input will only be six at most.

5. SLAVE2/SLAVE1/MASTER: Select SLAVE2/SLAVE1/MASTER when expansion the unit.

6. AGC Select: These switches are automatic gain control selection, different AGC level or AGC off is selected by switch between YES/NO. When select the Gain range as 300mV, 400mV or 540mV according to practical requirement, this unit will automatically adjust the input signal to ensure the stability of the output.

7. Voltage: Select either 115V or 230V for your local Voltage level. Please check your local voltage for user's reference.

8. RS232: The RS232 serial port allows two-way communication control by a home automation system.

9. IR: Remote Emitter (1-6): Those 3.5mm Mono MiniPhone Jacks are use for plug the supplied IR emitters into the appropriate IR Emitter jacks to individually control the 6 common source components.

10. IR Emitter All Output Jack: This IR Emitter jacks allow all the zone, control the source components.

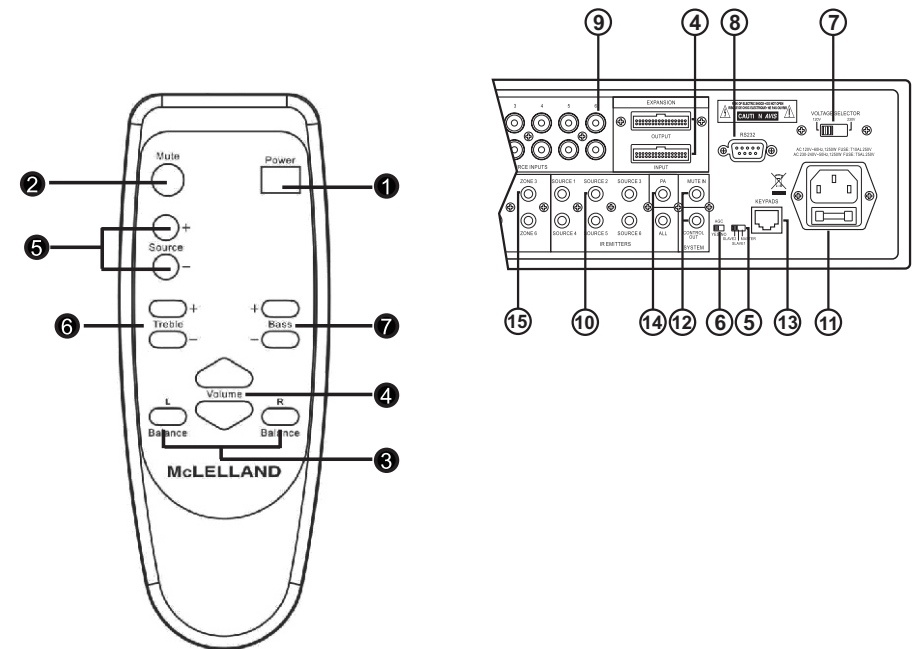
11. AC input: 3- pin ground cable connect the unit to external AC power supply. Fuse is selectable for AC 115V or 230V.

12. MUTE IN/ SYSTEM CONTROL OUT: This input can temporarily mutes the system by connecting this unit to a relay closure switch on home automation system or phone system etc. When switch is on, it will short-circuit the input and mute the unit.

13. KEYPADS: Use to connect the unit to a one to many connectors, which has 6 connectors, then used to connect to different keypad optionally. The longest cable length is 200 meters as suggested.

14. PA : Use to setup all the Zone to Source1

15. Zone Status: Used to control the external Power Amplify.



Remote Control

1. Power: This button is for power switches (On/Off) for the certain zone.

2. Mute: It allows you to mute a certain zone.

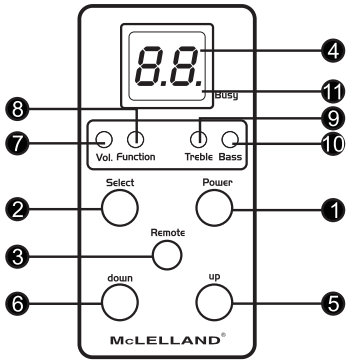
3. BAL: These L & R buttons can adjust the balance of L/R channel in stereo mode.

4. VOL: Volume adjustment for users.

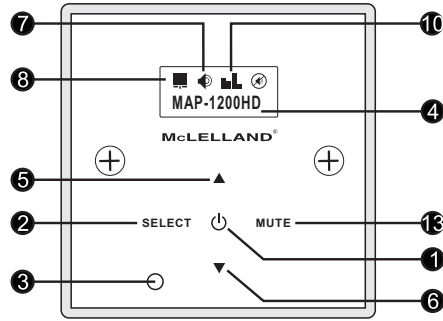
5. Source: Used to select signal input.

6. Treble: This allows you to enhance or reduce Treble of signal in individual zone.

7. Bass: This allows you to adjust the Bass for the individual zone



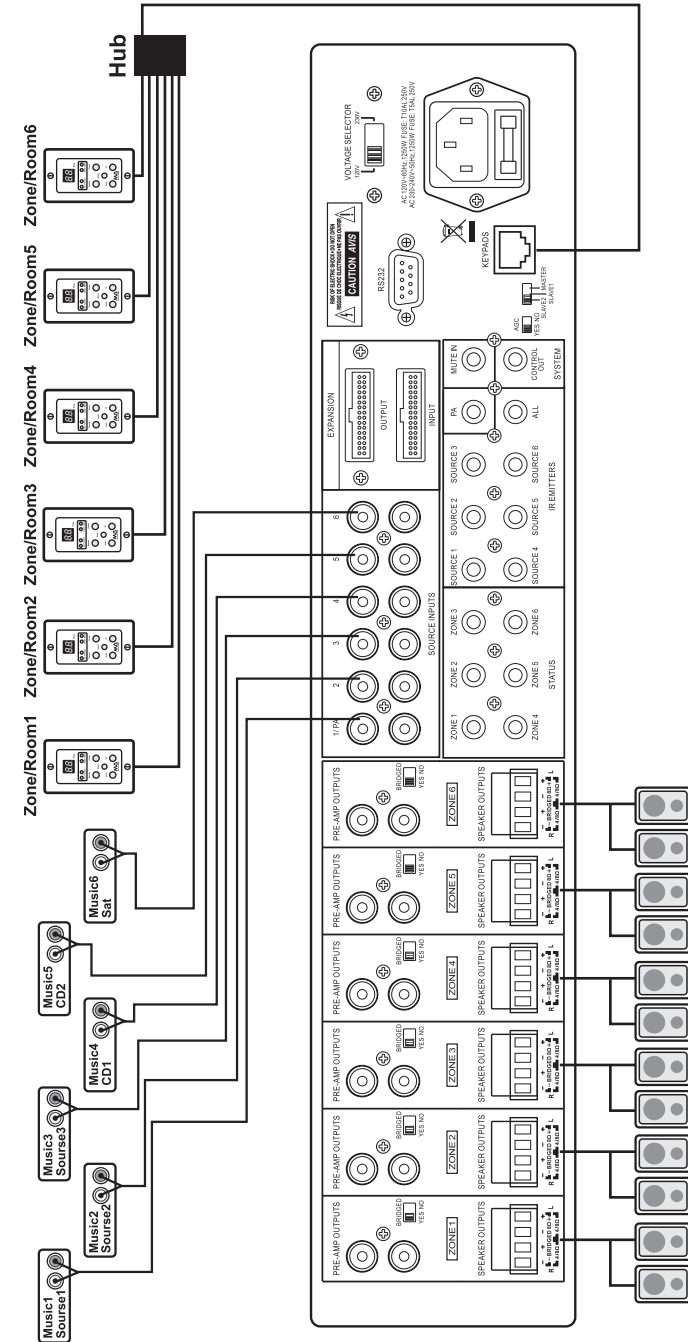
AMP-kp1 Control Keypad



AMP-kp2 Touch Sensor Control Keypad

Keypad Panel Fnd Functions

- 1.Power: Turns the zone ON an OFF. Can be programmed with IR codes or sequences.
- 2.Select: This button can be use for selected the system function of each zone,and also can be use as for panic call button (hold 3 sec)
- 3.Remote(IR Sensor):The keypad has build-in receiver for complete wireless control, also can be receives IR from hand-held remotes to control both source components and the MAP-1200HD system
- 4.Display: when the zone power is ON, the display will indicate the selected source ,zone volume ,treble or bass.
- 5.Up:Increases zone source/volume/treble/bass,depends which function is selected
- 6.Down:Decreases zone source/volume/treble/bass,depends which function is selected
- 7.Vol:This LED lights to indicate when the volume function has be select.
- 8.Function:The function led show the connection well with the main unit MAP-1200HD by the cables
- 9.Treble:This LED lights to indicate when the treble function has be select.
- 10.Bass:This LED lights to indicate when the bass function has be select.
- 11.Busy:When the Busy LED came to light,it show that the control circuitry was busy,if on this station,the operation of keypad or remote control will be incorrectness.





Feature:

- High efficiency more than 85% (class D) amplification
- Stereo/Bridge mono output
- Stereo/Bridge mode adjustable.
- IR remote controller for source select/volume/treble/bass
- Built-in IR receiver in the keypad
- RS-232 port allows 2-way communication with the Home Automation

System

- Expandable up to 18 zones by additional units
- 6 LEDs for 6 zones Power On and Standby
- 6 Keypads controller, 1 kit RJ-45 connection hub package
- 1 Power LED for indication power On and Off
- Power 230V and 115V adjustable
- Ext.Mute & System On 3.5mm Mono MiniPhone Jacks
- 6 IR Emitter 3.5 mm Mono MiniPhone Jacks + 1 IR Emitter 3.5mm Mono for All Output Jack
- 1 PA Input Jack to set all Zone to Source 1
- 6 Zone Pre-AMP Output to connect external Power amplify

Spec:

Watts @8ohms	25W x 2 per zone
Watts @4ohms	50W x 2 per zone
Watts Bridge 8 Ohms	100W per zone
S/N	>85dB A WTD
THD	<0.1%
Frequency Response	20Hz-20KHz
Input Impedance	>47 K Ohm
Input Sensitivity	250 mv
Protection Function	Overload Protection, Short Circuit Protection Over Temperature Protection
System on Voltage	DC +12V
External Mute Voltage	DC +12V
Power Supply	AC115V/60Hz, 230V/50Hz
Output Connection	Terminal Block
Dimension	430W x 89H x 416D mm
Weight	11KG