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- Chuck type strain relief
- Low capacitance
- 3 years warranty



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## McGrey P212 / McGrey P215 active/passive speaker

00079143 / 00079144 / 00079147 / 00079145



## Operating instructions

Version 08/2021



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Thank you for choosing this product.

To ensure that you are completely satisfied with this product, please read these operating instructions carefully before using our product. Keep these operating instructions in a safe place. The operating instructions must be passed on to all subsequent users.



Follow the operating instructions!



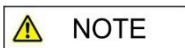
The signal word WARNING indicates hazards that can lead to serious injuries if no precautionary measures are taken.



The signal word NOTE indicates general precautions to be observed when handling the product.



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These operating instructions apply to persons who have been supervised or instructed in the operation of the appliance by a person responsible for their safety and who have demonstrated their ability to handle the appliance.






**Children should be supervised to ensure that they do not play with the appliance. Do not leave children unattended.**

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## **Safety precautions and precautionary measures**

-  **WARNING** Always place the appliance securely on a level surface to avoid injury from the appliance falling over.
-  **WARNING** Do not place any devices that can heat up (e.g. lighting equipment or fog machines) on the unit.
-  **WARNING** Never touch the mains cable or the unit when it is wet, as this may cause an electronic shock.

Do not clean the plastic housing with solvents or other chemical-based cleaning agents.

Keep the unit away from rain and moisture.

Damage caused by non-compliance with this user manual is not covered by the warranty. The dealer accepts no liability for any resulting defects or problems.

Before connecting, make sure that the mains cable is in perfect condition.

Only touch the mains cable by the plug.

Always plug in the mains plug last. Plugging in must be done without using force.

Avoid contact of the mains cable with other cables.

Do not bend or twist the cable and do not place any objects on it.

This unit can damage your hearing if the volume is too high. If you experience hearing problems or ringing in your ears, consult a specialist immediately.

Make sure that no objects or liquids of any kind get into the unit.

Protect the unit from hard impacts.

Disconnect the unit from the mains during thunderstorms.

Switch off the unit immediately and unplug the mains adapter from the socket if:

- The power supply unit, the power cable or the plug is damaged
- Smoke or unusual odour occurs
- Objects have fallen into the unit or liquid has been spilled on the unit
- The unit has been exposed to moisture
- The unit does not function properly or there is a significant change in performance



## **Important information**

### **Power supply**

- Do not plug the appliance into the same sockets as other electrical appliances controlled by an inverter (e.g. a freezer, washing machine, microwave oven or air conditioner) or containing a motor. Depending on how the electrical appliance is used, disturbances in the power supply may cause malfunctions or produce audible noises.
- For safety reasons and in order for the unit to function properly, you must ensure that the connection is well earthed.
- Before connecting the unit to other devices, you must disconnect all devices from the mains. This prevents malfunctions and/or damage to speakers or other devices.

### **Set-up location**

- This unit may interfere with radio and television reception. Therefore, do not use this unit in the vicinity of such receivers.
- Noise can be caused by wireless communication devices, such as mobile phones, being used in the vicinity. Such noise may occur when receiving or initiating a call or during a conversation. If you experience such problems, you should place these wireless devices so that they are at a greater distance from this product or turn them off.
- Do not expose the unit to direct sunlight, place it near products that give off heat, leave it in a closed vehicle or otherwise expose it to extreme temperatures. Excessive heat can deform and discolour the unit.
- If you move the unit from one room to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit.  
If you try to use the unit in this condition, damage or malfunction may occur. Therefore, you must inspect the unit before and leave to stand for several hours until the condensation has completely evaporated.



### **Maintenance**

- For daily cleaning, wipe the unit with a soft, dry cloth or a cloth slightly moistened with water. To remove stubborn dirt, use a cloth soaked in a mild, non-abrasive detergent. Then wipe the unit thoroughly with a soft, dry cloth.

### **Further information**

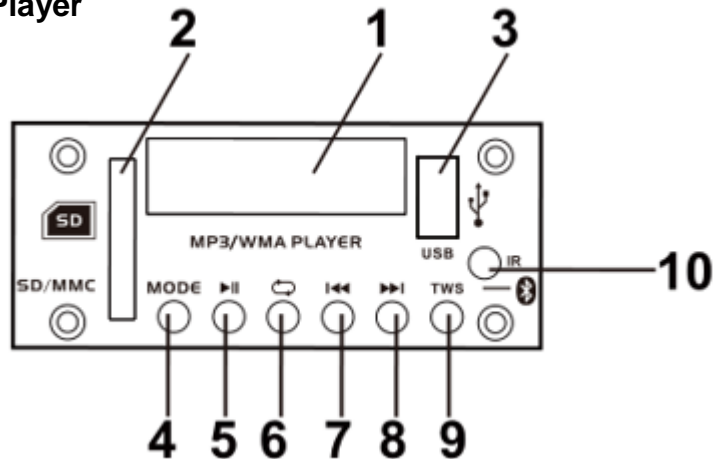
- Please be careful when using the keys or other operating elements of the unit as well as the sockets and connections. Rough handling can lead to defects.
- Never hit the display or apply strong pressure to it.
- When connecting/disconnecting all cables, grasp the plug itself, do not pull on the cable. This way you avoid short circuits or damage to the cable.
- To avoid disturbing your neighbours, try to keep the volume of the unit at a reasonable level.
- Sound vibrations can be transmitted through floors and walls more than expected. Make sure that these noises do not become a nuisance to the neighbours.
- If you need to transport the unit, pack it, if possible, in the box (including padding) in which it was delivered.



## Operation

### Operation of the USB / SD - Player

1. Display
2. SD card slot
3. USB interface
4. Mode selector switch - On/Off
5. Play/Pause/Stop button
6. Play mode button
7. Last title
8. Next title
9. TWS True wireless stereo
10. Sensor for remote control

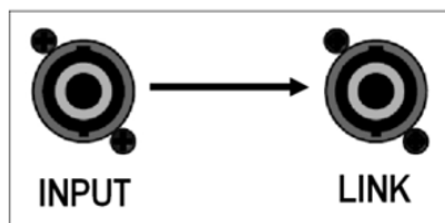


### To point 10 (sensor for remote control):

Please note that the sensor for the remote control is located on the back of the speaker, that is the reason why it can only be controlled from the backside of the speaker with the remote control.

### Plug connection - passive loudspeaker

INPUT	- Loudspeaker connection (input) - For connection to an active loudspeaker
LINK	- Loudspeaker connection (output) for connecting another passive loudspeaker box. Please note the total resistance.



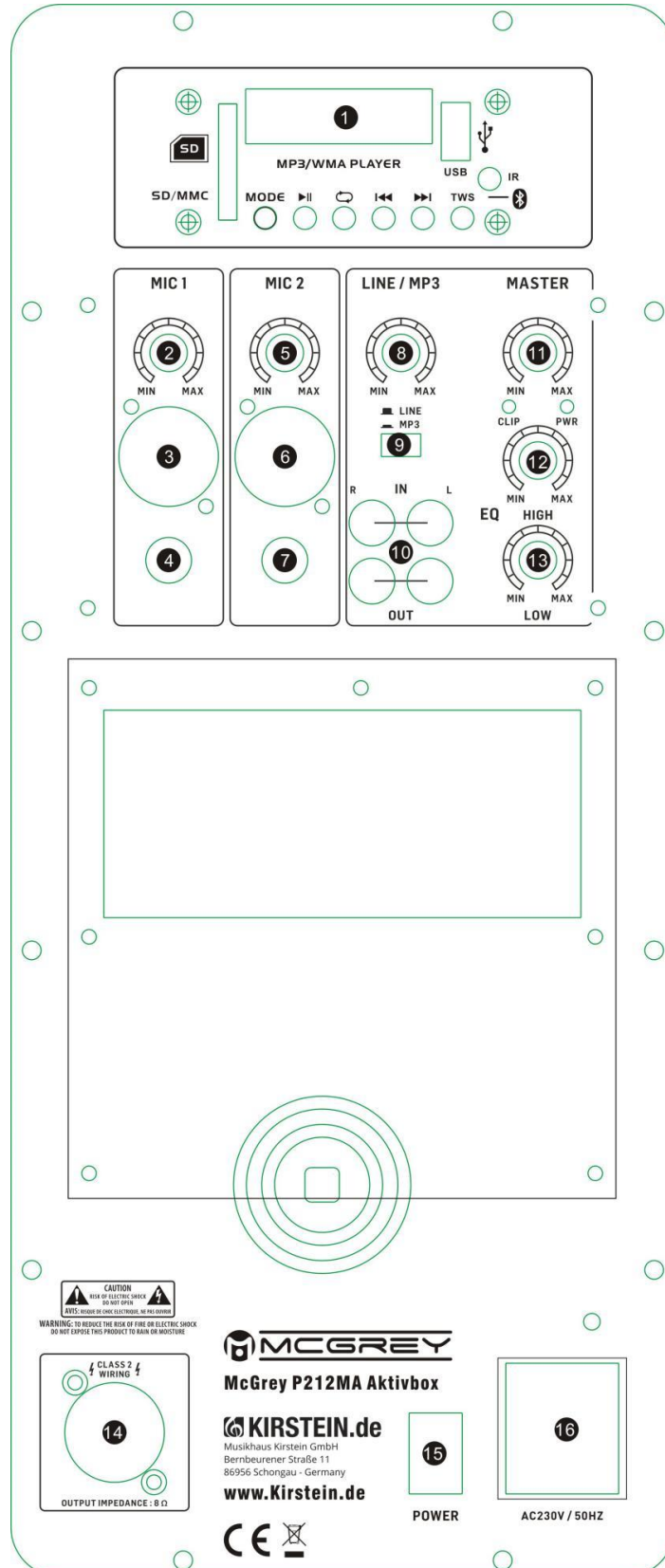
If you use additional speakers connected via the LINK output, please check the total resistance and compare them with the amplifier data.



NOTE

**Only one passive speaker can be connected to an active speaker!**

## Operating elements





## Operating elements

### - 1 | **Media player**

For playing music via SD card, Bluetooth or USB

### - 2 & 5 | **Microphone volume control**

Controls the input level for the XLR and jack sockets **3, 4, 6** and **7**

### - 3, 4, 6 & 7 | **XLR and jack connectors (6.3mm)**

For connecting microphone or line devices (mixer, guitar, keyboard, etc.)

### - 8 | **MP3/Line volume control**

Controls the input level for the LINE IN sockets and the MP3 signal

### - 9 | **MP3/Line switch**

To switch between the audio sources MP3 player and LINE IN

### - 10 | **Line In/Out connections**

LINE In connector (unbalanced) for external devices using audio cables with RCA plugs.

The LINE OUT connections output an unbalanced stereo signal to external devices via cinch cables

### - 11 | **Volume knob**

You can adjust the overall volume with this rotary control

### - 12 | **Treble knob**

Here you can control the proportion of the treble frequencies

### - 13 | **Bass knob**

Here you can control the proportion of the bass frequencies

### - 14 | **Extension Output**

Enables the connection of an additional passive loudspeaker cabinet (min. 8Ω total load) via Speaker Twist cable (Speakon compatible)

### - 15 | **POWER switch**

Use this to switch the unit on and off

### - 16 | **AC INPUT socket**

To connect the mains cable



## Technical specifications (active speakers)

	<b>P212 MA</b>	<b>P215 MA</b>
<b>Amplifier</b>		
Max. output power (PEAK)	600 W	800 W
Max. output power (RMS)	120 W	
Type	Class - AB	
<b>Loudspeaker system data</b>		
Woofer	12" (312 mm) LF driver	15" (386 mm) LF driver
Tweeter	1" (25.5 mm) HF compression driver	
Frequency response	55 Hz - 18 KHz (-10dB)	50 Hz - 18 KHz (-10dB)
Sound pressure level (SPL)	max. 95 dB	
<b>Audio connections</b>		
MP3 Playback	USB / SD	
File System	FAT 16 / FAT32	
Format	MP3 / WMA / WAV / FLAC / APE	
Bit rates	32 - 800 kbps	
Sample rates	44.1 kHz	
<b>Input</b>	1 x XLR / 6.3mm jack combo jack	
Input impedance	22 k $\Omega$ symmetrical	
<b>Line in</b>	1 x 3.5 mm jack, stereo	
Input impedance	8.3 k $\Omega$	
<b>Aux in</b>	2 x Cinch	
Input impedance	8.3 k $\Omega$	
<b>Aux out</b>	2x Cinch	
Output impedance	100 k $\Omega$ , unbalanced	
<b>SD card slot</b>		
Memory card	supports up to 32 GB	
<b>Bluetooth</b>		
Frequency range	2.4 GHz	
Channel number	79	
Version	compatible with Bluetooth 4.2	
Compatibility	Supports A2DP 1.2 profile	
max. range	approx. 15 m	
Max. output power	10 dBm	
<b>Equalizer</b>		
High	$\pm$ 12 dB @ 10 kHz, cut	
Deep	$\pm$ 12 dB @ 100 Hz, cut	
<b>Power supply, voltage (fuse)</b>		
Connected load	220 W	
Mains connection	Standard IEC socket	



**Technical specifications (passive boxes)**

	<b>P212 MP</b>	<b>P215 MP</b>
<b>Max. output power (PEAK)</b>	600 W	800 W
<b>Max. output power (RMS)</b>	180W	
<b>Resistance</b>	8 Ω	
<b>Type</b>	2-way	
<b>Frequency range</b>	75 Hz to 35 kHz (±3 dB)	
<b>Frequency response</b>	55 Hz-18 KHz (-10dB)	50 Hz-18 KHz (-10dB)
<b>Sound pressure level (SPL)</b>	96 dB (full space, 1 W @ 1 m)	
<b>Beam angle</b>	70° H x 50° W	
<b>Crossover frequency</b>	2.2 kHz	
<b>Handles</b>	Ergonomically shaped handle, 35 mm	
<b>Tweeter</b>	1" compression driver	
<b>Woofers</b>	12" (305 mm)	15" (381 mm)
<b>Connections</b>	2 x Speaker Twist (Speakon compatible), 4 pole	
<b>Wiring</b>	Pins 1+ / 1- Input Pins 2+ / 2- link	
<b>Dimensions (H x W x D)</b>	583 x 375 x 308 mm	685 x 433 x 366 mm
<b>Weight</b>	10.1 kg	14.9 kg



## **TWS (True Wireless Stereo) function**

1. Press the Mode button on both speakers to turn on the Bluetooth function of both devices.
2. Now press the pair button of one of the devices. The screen shows "bt:bt" and the Bluetooth symbol appears at the bottom right of the display.
3. When the screen of the second column system also shows "bt:bt" and the Bluetooth symbol disappears from the display, you will hear a connection tone. This signals that the systems are connected to each other.
4. Connect your Bluetooth-enabled device (e.g. mobile phone) to one of the speakers. Files that are played on the first device are also played on the second system.
5. Press the PAIR button again if you want to separate the two units.

## **Bluetooth connection**

1. The first time you connect a device to the McGrey Columns system, press the MODE button on the MP3 player to activate Bluetooth mode.
2. Next, activate the Bluetooth connection on the device of your choice (e.g. mobile phone or tablet) and connect it to the P212 or P215 unit.
3. The next time you want to use the Bluetooth connection with your mobile phone, tablet, etc, simply switch to Bluetooth mode on the column system and your previously paired device will automatically connect to the product.



## **WEEE Declaration**

### **(Waste of Electrical and Electronic Equipment)**

Your product has been designed and manufactured using high quality materials and components that are recyclable and reusable. The symbol means that your product must be disposed of separately from household waste at the end of its life. Dispose of this appliance at your local collection point or recycling centre.

Please help protect the environment in which we all live.

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## **SIMPLIFIED EU DECLARATION OF CONFORMITY**

Herewith Musikhaus Kirstein GmbH declares that the radio unit of Model [McGrey P212 MA, 12" Aktivbox and McGrey P215 MA, 15" Aktivbox] is in compliance with the EU directive 2014/53/EU. You can download the full EU declaration of conformity for this item under download link:

[http://www.kirstein.de/docs/Konformitaetserklaerung/CE\\_Konformitaetserklaerung\\_0079143.pdf](http://www.kirstein.de/docs/Konformitaetserklaerung/CE_Konformitaetserklaerung_0079143.pdf)

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McGrey P212 / McGrey P215 active/passive speaker

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Do not clean the plastic housing with solvents or other chemical-based cleaning agents.

Keep the unit away from rain and moisture.

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Only touch the mains cable by the plug.

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Avoid contact of the mains cable with other cables.

Do not bend or twist the cable and do not place any objects on it.

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Make sure that no objects or liquids of any kind get into the unit.

Protect the unit from hard impacts.

Disconnect the unit from the mains during thunderstorms.

Switch off the unit immediately and unplug the mains adapter from the socket if:

- The power supply unit, the power cable or the plug is damaged
- Smoke or unusual odour occurs
- Objects have fallen into the unit or liquid has been spilled on the unit
- The unit has been exposed to moisture
- The unit does not function properly or there is a significant change in performance



## **Important information**

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- Do not expose the unit to direct sunlight, place it near products that give off heat, leave it in a closed vehicle or otherwise expose it to extreme temperatures. Excessive heat can deform and discolour the unit.
- If you move the unit from one room to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit.  
If you try to use the unit in this condition, damage or malfunction may occur. Therefore, you must inspect the unit before and leave to stand for several hours until the condensation has completely evaporated.



### **Maintenance**

- For daily cleaning, wipe the unit with a soft, dry cloth or a cloth slightly moistened with water. To remove stubborn dirt, use a cloth soaked in a mild, non-abrasive detergent. Then wipe the unit thoroughly with a soft, dry cloth.

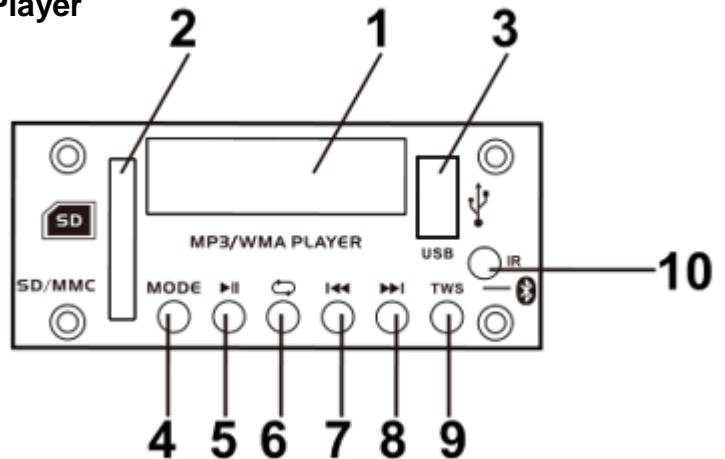
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- Please be careful when using the keys or other operating elements of the unit as well as the sockets and connections. Rough handling can lead to defects.
- Never hit the display or apply strong pressure to it.
- When connecting/disconnecting all cables, grasp the plug itself, do not pull on the cable. This way you avoid short circuits or damage to the cable.
- To avoid disturbing your neighbours, try to keep the volume of the unit at a reasonable level.
- Sound vibrations can be transmitted through floors and walls more than expected. Make sure that these noises do not become a nuisance to the neighbours.
- If you need to transport the unit, pack it, if possible, in the box (including padding) in which it was delivered.

## Operation

### Operation of the USB / SD - Player

1. Display
2. SD card slot
3. USB interface
4. Mode selector switch - On/Off
5. Play/Pause/Stop button
6. Play mode button
7. Last title
8. Next title
9. TWS True wireless stereo
10. Sensor for remote control

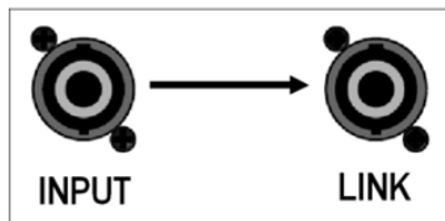


### To point 10 (sensor for remote control):

Please note that the sensor for the remote control is located on the back of the speaker, that is the reason why it can only be controlled from the backside of the speaker with the remote control.

### Plug connection - passive loudspeaker

INPUT	- Loudspeaker connection (input) - For connection to an active loudspeaker
LINK	- Loudspeaker connection (output) for connecting another passive loudspeaker box. Please note the total resistance.



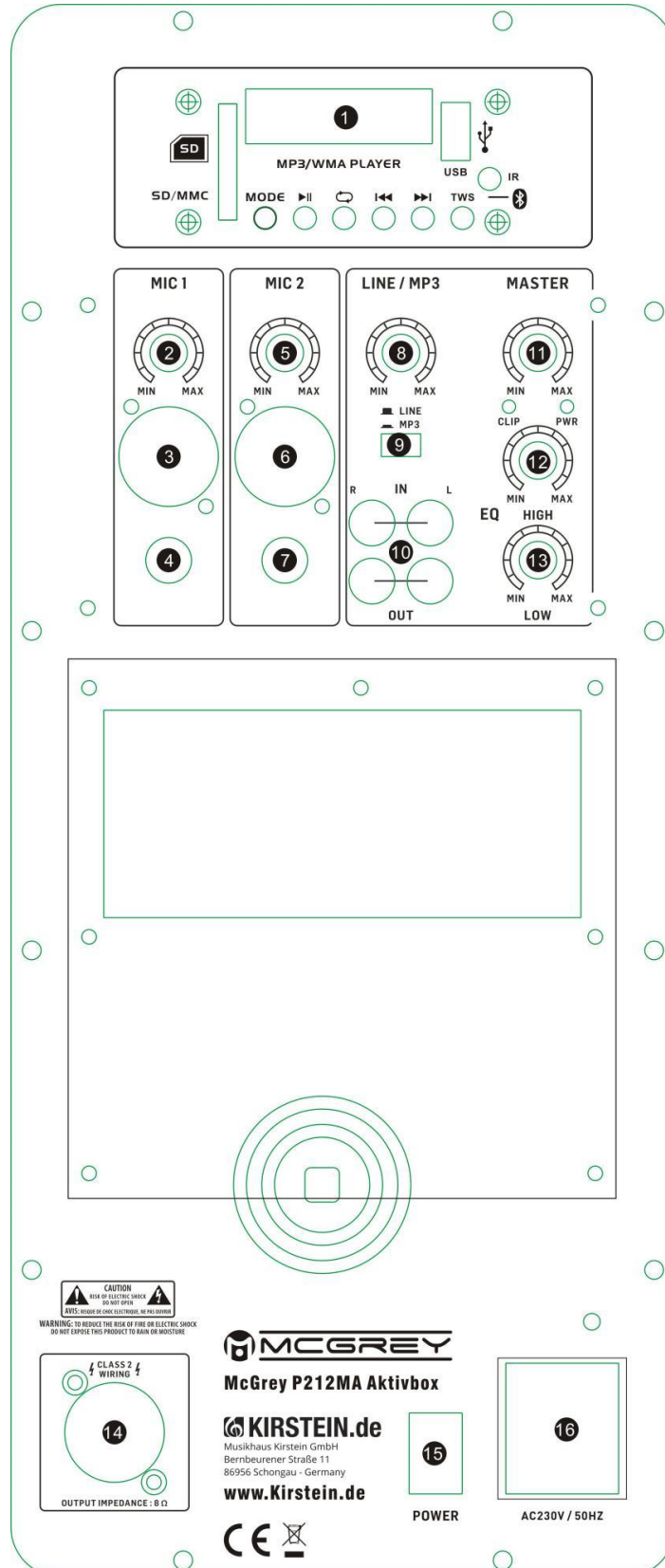
If you use additional speakers connected via the LINK output, please check the total resistance and compare them with the amplifier data.



NOTE

**Only one passive speaker can be connected to an active speaker!**

## Operating elements







## Operating elements

### - 1 | **Media player**

For playing music via SD card, Bluetooth or USB

### - 2 & 5 | **Microphone volume control**

Controls the input level for the XLR and jack sockets **3, 4, 6** and **7**

### - 3, 4, 6 & 7 | **XLR and jack connectors (6.3mm)**

For connecting microphone or line devices (mixer, guitar, keyboard, etc.)

### - 8 | **MP3/Line volume control**

Controls the input level for the LINE IN sockets and the MP3 signal

### - 9 | **MP3/Line switch**

To switch between the audio sources MP3 player and LINE IN

### - 10 | **Line In/Out connections**

LINE In connector (unbalanced) for external devices using audio cables with RCA plugs.

The LINE OUT connections output an unbalanced stereo signal to external devices via cinch cables

### - 11 | **Volume knob**

You can adjust the overall volume with this rotary control

### - 12 | **Treble knob**

Here you can control the proportion of the treble frequencies

### - 13 | **Bass knob**

Here you can control the proportion of the bass frequencies

### - 14 | **Extension Output**

Enables the connection of an additional passive loudspeaker cabinet (min. 8Ω total load) via Speaker Twist cable (Speakon compatible)

### - 15 | **POWER switch**

Use this to switch the unit on and off

### - 16 | **AC INPUT socket**

To connect the mains cable



## Technical specifications (active speakers)

	<b>P212 MA</b>	<b>P215 MA</b>
<b>Amplifier</b>		
Max. output power (PEAK)	600 W	800 W
Max. output power (RMS)	120 W	
Type	Class - AB	
<b>Loudspeaker system data</b>		
Woofer	12" (312 mm) LF driver	15" (386 mm) LF driver
Tweeter	1" (25.5 mm) HF compression driver	
Frequency response	55 Hz - 18 KHz (-10dB)	50 Hz - 18 KHz (-10dB)
Sound pressure level (SPL)	max. 95 dB	
<b>Audio connections</b>		
MP3 Playback	USB / SD	
File System	FAT 16 / FAT32	
Format	MP3 / WMA / WAV / FLAC / APE	
Bit rates	32 - 800 kbps	
Sample rates	44.1 kHz	
<b>Input</b>	1 x XLR / 6.3mm jack combo jack	
Input impedance	22 kΩ symmetrical	
<b>Line in</b>	1 x 3.5 mm jack, stereo	
Input impedance	8.3 kΩ	
<b>Aux in</b>	2 x Cinch	
Input impedance	8.3 kΩ	
<b>Aux out</b>	2x Cinch	
Output impedance	100 kΩ, unbalanced	
<b>SD card slot</b>		
Memory card	supports up to 32 GB	
<b>Bluetooth</b>		
Frequency range	2.4 GHz	
Channel number	79	
Version	compatible with Bluetooth 4.2	
Compatibility	Supports A2DP 1.2 profile	
max. range	approx. 15 m	
Max. output power	10 dBm	
<b>Equalizer</b>		
High	± 12 dB @ 10 kHz, cut	
Deep	± 12 dB @ 100 Hz, cut	
<b>Power supply, voltage (fuse)</b>		
Connected load	220 W	
Mains connection	Standard IEC socket	



**Technical specifications (passive boxes)**

	<b>P212 MP</b>	<b>P215 MP</b>
<b>Max. output power (PEAK)</b>	600 W	800 W
<b>Max. output power (RMS)</b>	180W	
<b>Resistance</b>	8 $\Omega$	
<b>Type</b>	2-way	
<b>Frequency range</b>	75 Hz to 35 kHz ( $\pm 3$ dB)	
<b>Frequency response</b>	55 Hz-18 KHz (-10dB)	50 Hz-18 KHz (-10dB)
<b>Sound pressure level (SPL)</b>	96 dB (full space, 1 W @ 1 m)	
<b>Beam angle</b>	70° H x 50° W	
<b>Crossover frequency</b>	2.2 kHz	
<b>Handles</b>	Ergonomically shaped handle, 35 mm	
<b>Tweeter</b>	1" compression driver	
<b>Woofers</b>	12" (305 mm)	15" (381 mm)
<b>Connections</b>	2 x Speaker Twist (Speakon compatible), 4 pole	
<b>Wiring</b>	Pins 1+ / 1- Input Pins 2+ / 2- link	
<b>Dimensions (H x W x D)</b>	583 x 375 x 308 mm	685 x 433 x 366 mm
<b>Weight</b>	10.1 kg	14.9 kg



### **TWS (True Wireless Stereo) function**

1. Press the Mode button on both speakers to turn on the Bluetooth function of both devices.
2. Now press the pair button of one of the devices. The screen shows "bt:bt" and the Bluetooth symbol appears at the bottom right of the display.
3. When the screen of the second column system also shows "bt:bt" and the Bluetooth symbol disappears from the display, you will hear a connection tone. This signals that the systems are connected to each other.
4. Connect your Bluetooth-enabled device (e.g. mobile phone) to one of the speakers. Files that are played on the first device are also played on the second system.
5. Press the PAIR button again if you want to separate the two units.

### **Bluetooth connection**

1. The first time you connect a device to the McGrey Columns system, press the MODE button on the MP3 player to activate Bluetooth mode.
2. Next, activate the Bluetooth connection on the device of your choice (e.g. mobile phone or tablet) and connect it to the P212 or P215 unit.
3. The next time you want to use the Bluetooth connection with your mobile phone, tablet, etc, simply switch to Bluetooth mode on the column system and your previously paired device will automatically connect to the product.



## **WEEE Declaration (Waste of Electrical and Electronic Equipment)**

Your product has been designed and manufactured using high quality materials and components that are recyclable and reusable. The symbol means that your product must be disposed of separately from household waste at the end of its life. Dispose of this appliance at your local collection point or recycling centre.

Please help protect the environment in which we all live.

All technical data and appearances are subject to change without notice. All information was correct at the time of going to press. Musikhaus Kirstein GmbH does not guarantee the accuracy or completeness of the descriptions, photographs or statements contained in this manual. Printed colours and specifications may differ slightly from the product. Musikhaus Kirstein GmbH products are only sold through authorised distributors. Distributors and dealers are not representatives of Musikhaus Kirstein GmbH and are not authorised to legally bind Musikhaus Kirstein GmbH in any way.

## **SIMPLIFIED EU DECLARATION OF CONFORMITY**

Herewith Musikhaus Kirstein GmbH declares that the radio unit of Model [McGrey P212 MA, 12" Aktivbox and McGrey P215 MA, 15" Aktivbox] is in compliance with the EU directive 2014/53/EU. You can download the full EU declaration of conformity for this item under download link:

[http://www.kirstein.de/docs/Konformitaetserklaerung/CE\\_Konformitaetserklaerung\\_0079143.pdf](http://www.kirstein.de/docs/Konformitaetserklaerung/CE_Konformitaetserklaerung_0079143.pdf)

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