



## Bluetooth Speaker with Clock Radio and Wireless Charging Plate

Fusion

Item ref: 120.220UK

User Manual

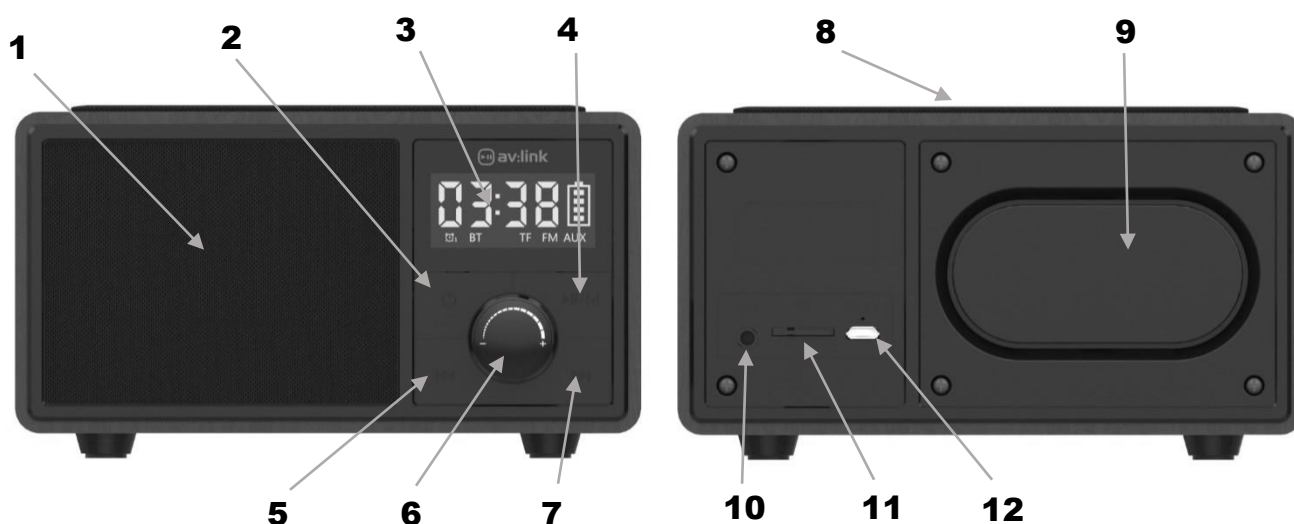
Fusion: A wireless speaker that's got it all, with an array of modern features packed into a compact, retro design. Equipped with the latest Bluetooth technology, stream music wirelessly from your smart device and enjoy up to 5 hours playback with the inbuilt rechargeable battery. Rear Micro SD and AUX ports add to its versatility alongside a built-in FM radio and alarm clock functions. This stylish speaker also includes a Qi certified wireless charging plate, enabling effortless charging for compatible devices without the need for additional wires.

- Compact, retro design that fits anywhere in your home
- Stream your own music collection from your smart devices wirelessly via Bluetooth
- Charge your compatible devices on the Qi certified wireless charging plate (not using battery power)
- Built-in FM radio and alarm clock functions
- Take wherever you go with the inbuilt 1200mAh rechargeable battery
- Internal microphone for hands-free phone calls
- Added multimedia functionality via the rear Micro SD and AUX (3.5mm) ports

### Technical Specification

FM Frequency range	87.5-108MHz
USB Power	DC 5V
Battery	18650: 3.7V 1200mAh
Audio output	5W
Bluetooth version	V5.0
Bluetooth range	Up to 10m (in clear line of sight)
Battery life	Up to 5 hours from a single charge
Input connections	Bluetooth, 3.5mm (Aux), Micro SD, Micro USB (DC power only)
Dimensions	152 x 78 x 84mm
Weight	560g

### Controls Diagram



## Unit Controls and Features

Key Function Name	Operation	Playing Mode				Time and Alarm Clock		Hands Free	
		Bluetooth Mode	TF Mode	FM Mode	AUX Mode	Standby Clock	Alarm Clock	Coming Call	
1. SPEAKER GRILLE	Basic audio output								
2. POWER ON/OFF	Short Press	Standby clock interface to show time					Cancel alarm clock		
	Long Press	Power On/Off							
	Double Click	NC							Redial the latest call
3. LED SCREEN	Show standard time, existing playing mode status								
4. PLAY/MODE	Short Press	Play/Pause	Play/Pause	Silence	Silence		Set snooze time from OFF/30/60/90 minutes	Answer call / reject call	
	Long Press	Switch BT/TF/FM/AUX Mode					Alarm clock setting	Reject call	
	Double Click	Connect/disconnect bluetooth	NC	Memorize FM stations	NC	Standard time setting			
5. PREV	Short Press	Previous song	Previous song	Previous FM station	NC				
	Long Press	NC	Fast backward	Automatic search previous station	NC				
	Double Click	NC	NC		NC				
6. VOLUME KNOB	Turn Right	Continuous volume up				Number value up	Number value up/down, snooze time selection, alarm on/off selection, alarm time selection, alarm tone modes selection		
	Turn Left	Continuous volume down				Number value down			
7. NEXT	Short Press	Next song	Next song	Next FM station	NC				
	Long Press	NC	Fast forward	Automatic search next station	NC				
	Double Click	NC	NC		NC				
8. WIRELESS CHARGING PLATE	Charge your compatible devices by placing on the wireless charging plate (only works when connected to USB power)								
9. BASS ADJUSTMENT	Enhances the audio output								
10. AUX IN PORT	Connect to a compatible audio device using a 3.5mm cable (not supplied)								
11. TF SLOT	Play MP3 and WAV files directly by inserting a compatible TF (MicroSD) card								
12. CHARGING SLOT	5V 2A (Connect the charging cable supplied to a compatible USB charging socket. <b>NOTE</b> for wireless charging operation the socket should be a minimum of 2A output)								

## General Usage

- Charging the battery:** Fully charge the Fusion's internal battery before first use. Use the USB cable provided and only connect to a suitable 5V USB power supply. To check the battery capacity at any time, view the battery level indicator on the side of the LED display. During charging, the battery level indicator will flash, changing to constant when fully charged.
- Setting the time:** On first use, you need to set the Fusion's internal clock to the correct time. To do this, first switch the unit on by long pressing the Power button (2), the Fusion will enter Bluetooth mode. Next short press the Power button again to enter Standby/clock mode. Double press the Play/mode button (4) and the hour digits will flash on the LED display. Use the Volume knob (6) to select the correct time then press the Play/mode button again to store and move to the minute digits. Repeat the process again for the minute setting then press the Power button to store the correct time.
- Bluetooth Pairing and playback:** Press and hold the Power button (2) and the Fusion will turn on and enter Bluetooth pairing mode. Ensure your device is in range and Bluetooth is enabled, then search in the device list for "**AV:Link-Fusion**" and select to connect. If your device asks for a pairing code, enter "**0000**" to connect. Once connected, you can use the track buttons (4,5&7) on the Fusion to control your music. To disconnect from your device at any time and connect to a different device, double click the Play/mode button (4).
- TF card media playback:** With the Fusion switched on, insert a compatible TF (MicroSD) card into the port on the back of the unit (11). The inbuilt media player will detect any compatible files on the card and automatically play the first track. You can now use the track buttons (4,5&7) on the Fusion to control your music. **NOTE:** Ensure the TF card is formatted to FAT32 standard and is no larger than 64MB in size.

- **Using the FM Radio:** Insert the 3.5mm AUX cable provided into the port (10) at the back of the unit, this will act as an aerial and amplify the signal. Next press and hold the Play/mode button (4) until the Fusion enters FM radio mode. Double click the Play/mode button again and the Fusion will enter scan and store mode, which scans the FM frequency range storing all available stations in numerical order. Finally, you can now navigate through the available stations using the Prev and Next buttons (5&7). The Fusion will also store these stations for future use, even when the unit is switched off.
- **Using the AUX connection:** With the Fusion switched on, connect a compatible audio device using the 3.5mm cable provided into the AUX port on the back of the unit (10). The Fusion will detect the input and switch to AUX playback mode. Unfortunately, the track buttons on the Fusion won't work using the AUX connection, but please ensure that the volume on the connected device is adjusted to an audible level.
- **Setting the alarm:** With the Fusion in Clock mode, long press the Play/mode button (4) and the hour digits will flash on the LED display. Use the Volume knob (6) to select the correct setting then press the Play/mode button again to store and move to the minute digits. Repeat the process again for the minute setting then press the Play/mode button to store the required alarm time. Next use the volume knob and Play/mode button repeatedly to select the alarm parameters: alarm (ON/OFF), ring count (ONE/ALL) and alarm tone modes, then finally confirm the alarm setting by pressing the Power button once. When the alarm ringtones (r1/dE/rA), short press the Power/on button to turn off or short press the Play/mode button repeatedly to set snooze times from OFF/30/60/90 minutes respectively.
- **Handsfree phone calls:** It's also possible to make and receive phone calls from your connected device using the Fusion's inbuilt microphone. Whilst connected to Bluetooth, double click the Power button (2) to redial the last logged number on your smartphone (this can be incoming or outgoing). If you receive an incoming call whilst connected to Bluetooth, you can either answer it by short pressing the Play/mode button (4) or reject it by long pressing the same button.
- **Using the wireless charging plate:** Ensure the Fusion is connected to a USB power source that is at least 2A (2000mA). Place the compatible device on the charging plate (8) situated on the top of the unit, the blue LED underneath the plate will stay lit and your device should charge accordingly.

## FAQ

- Q) Why is there no sound? A)** Check that the Fusion's volume level isn't turned down or off, alternatively try tuning to another station. If you are connected to another device, ensure the volume level of the device is audible and that the device has been connected correctly.
- Q) Why won't the Fusion switch on? A)** Check that the battery is charged. If not, connect to a suitable power supply using the USB cable supplied.
- Q) Why can't I connect via Bluetooth to my smart device? A)** Ensure your device has Bluetooth mode switched on and is discoverable. Also ensure your device is within 10m range of the Fusion.
- Q) Why can't I play the music from my TF card? A)** Ensure the card is inserted correctly and that the music is in either MP3 or WAV format. The maximum size of memory the Fusion can handle is 64GB and ensure that the media is formatted in FAT32.
- Q) Why doesn't the wireless charging plate charge my device? A)** Ensure that your device is wireless charging compatible and that the Fusion is connected to a USB power supply of at least 2A output. Also ensure your device is laid squarely on the charging plate, to ensure connection. **NOTE:** the wireless charging plate won't work when the Fusion is operating on battery power, only when connected to 2A USB power source.

## In the box:

- Fusion Bluetooth speaker
- USB charging lead
- 3.5mm lead
- User guide

## Warnings

- For reasons of electrical safety, this device must never be immersed in water, exposed to damp or humid conditions or subjected to excessive forces.
- Do not use this device if you find that it is damaged in any way.
- Only use the USB power supply as recommended by the manufacturer.
- Clean only with a soft, dry cloth.
- Do not attempt to repair this device or take apart under any circumstances, as this will invalidate your warranty.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

Hereby, AVSL Group Ltd. declares that the radio equipment type: 100.220UK complies with Directive 2014/53/EU

The full text of the EU declaration of conformity for 100.220UK is available at the following internet address:  
[www.avsl.com/assets/doc/1/0/100220UK.pdf](http://www.avsl.com/assets/doc/1/0/100220UK.pdf)

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