

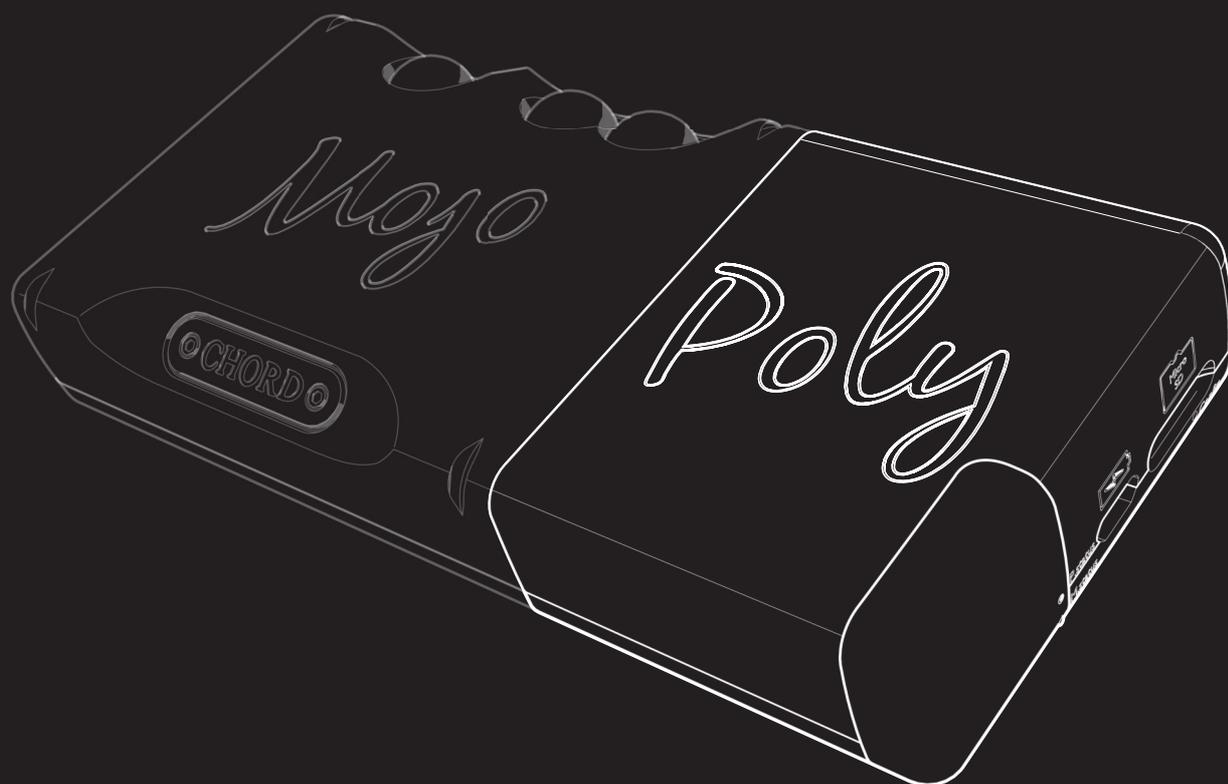
User manual



Chord Electronics Ltd.

# Poly

Wireless streaming module



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## User manual

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# 1 Introduction

This user manual is intended for Poly users. It contains all the information necessary to safely and successfully use Poly and consists of two sections:

- The user manual describes Poly and provides the essential user instructions.
- The extended manual contains information that is not directly related to everyday use.

## 1.1 Safety

Please take note of the following safety instructions before using the Poly.

- Never allow Poly to come into contact with water or other liquids.
- Never spray cleaner onto Poly. Only use a clean microfibre cloth clean the Poly.

## 1.2 Warranty

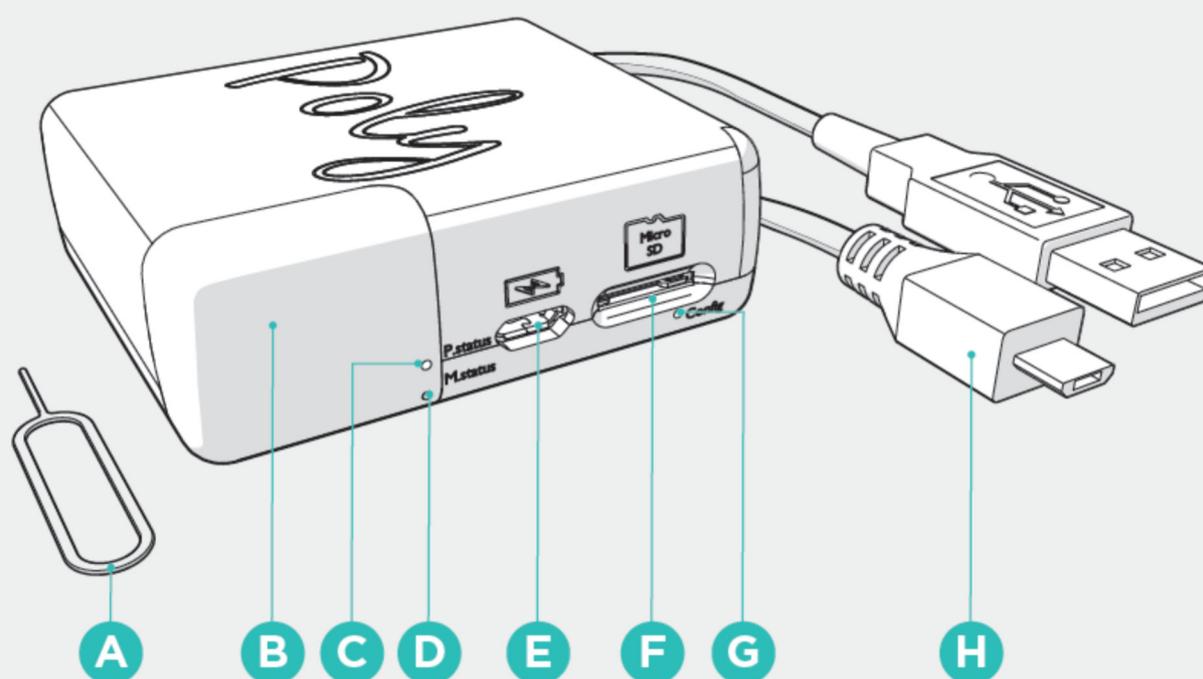
Poly comes with a comprehensive twelve month warranty. To activate this warranty, please register your Poly via the Chord Electronics website:

**[www.chordelectronics.co.uk/register-product](http://www.chordelectronics.co.uk/register-product)**

## 2 Product description

Poly is a portable music streamer and player. Combined with Mojo, it can wirelessly stream from connected devices and play back audio via Roon, AirPlay or from a Micro SD card, all with smartphone control. Poly provides access to hi-fi sound quality at home or on-the-go, via Wi-Fi and Bluetooth.

### 2.1 Main parts



Please take a moment to familiarize yourself with Poly's main parts.

<b>A</b>	Configuration pin	<b>E</b>	Micro USB input
<b>B</b>	Antenna	<b>F</b>	Micro SD input
<b>C</b>	P-status LED	<b>G</b>	Configuration button
<b>D</b>	M-status LED	<b>H</b>	USB cable

## P-status LED

This LED is Poly's way of communicating feedback. It does this by emitting 4 colours in different ways:



Flashing

Poly is in Hotspot mode and is available as a W-Fi connection for an external device.



Flashing

Poly is searching for a known Wi-Fi network.



Flash

Poly has successfully read the inserted Micro SD card.



Flashing

Poly has successfully connected via Bluetooth audio.



Poly displays its battery level in a variety of colours when connected to a known network in Network mode. See §3.1 for more information.



Poly is charging.

## 2.2 Modes

Poly's functionality is made up of two settings; audio playback modes and connectivity modes. Both modes can be selected in the GoFigure app. See chapters 6 & 7 for instructions and more information.

### Audio playback modes

- Bluetooth audio
- Roon
- Micro SD card
- Airplay

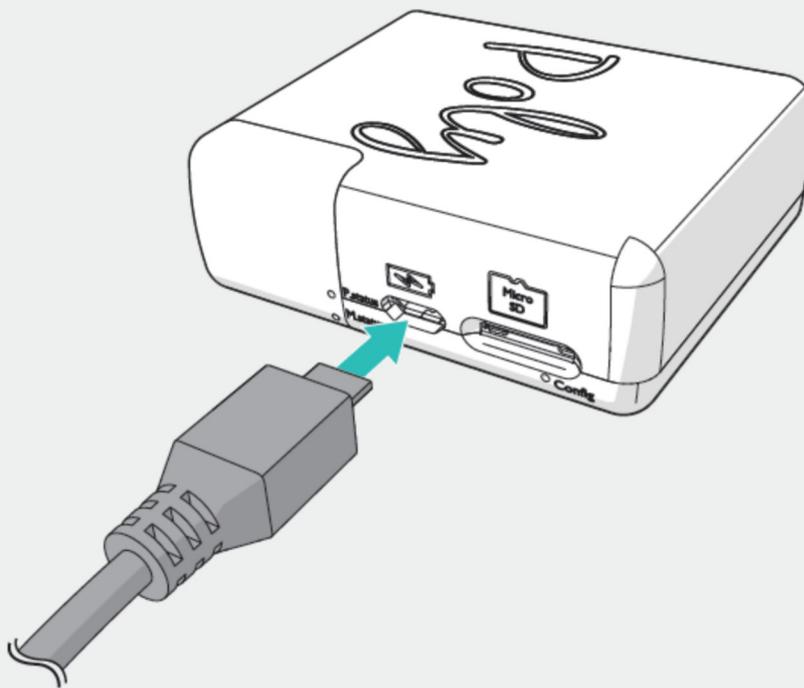
### Connectivity modes

- Bluetooth
- Wi-Fi
  - Network
  - Hotspot

## 3 Charging Poly

To charge Poly:

1. Insert the USB cable **H** into the Micro USB input **E**.
2. Insert the other end of the USB cable into a suitable power outlet. This wakes Poly up.
3. Remove and reinsert the USB cable. Poly now starts charging and the P-status LED will emit a solid white light.



It takes approx. 5 hours to charge Poly with a 5V/2A charger. Poly and Mojo can be charged simultaneously, with an estimated charge time of 8 hours. The devices can be charged while playing back audio, but this increased the charging time.

**NOTICE** We recommend that you fully charge Poly for 5 hours before using it for the first time.

**NOTICE** Poly's microprocessor remains active when the device is switched off. This causes the battery to slowly empty over time.

**NOTICE** To charge Poly, the charger must deliver at least 1A of current. To charge Poly and Mojo simultaneously, an input of at least 2A is required. Using a 1A charger to charge both devices simultaneously will result in only Mojo being charged.

### 3.1 **Battery level**

When Poly is connected to a network, the P-status LED will glow in 1 of 4 colours. These colours indicate Poly's battery level. The M-status LED will always indicate Mojo's battery level using the same colour code.

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Charging	100-75%	75-50%	50-25%	25-5%	5-0%

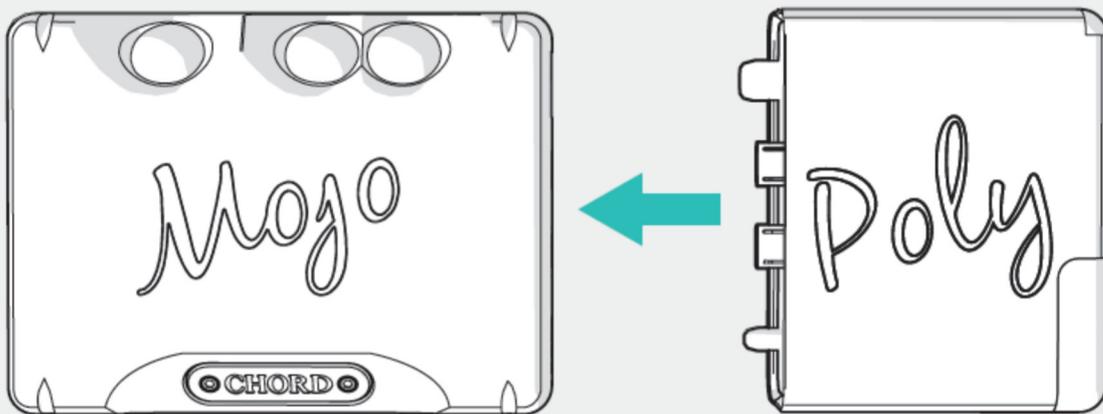
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**TIP** Poly's battery level is also displayed on the GoFigure app's home screen.

## 4 Powering on Poly

To power on Poly:

1. Attach Poly to Mojo.
2. Press and hold Mojo's power button until the buttons start to glow.
3. Wait approx. 10 seconds.  
Poly's P-status LED will become active when the connection has been registered.



**TIP** We recommend using Poly case to protect the connection between the two devices.

### 4.1 Powering off

To power off Poly:

1. Press and hold Mojo's power button to turn off both devices.
2. Wait 20 seconds for Poly to power off.

## 5 **GoFigure app - Configuration**

Poly can be configured with the GoFigure app, available for download on the App Store or Google Play.



### 5.1 **Requirements**

- Your control device must have Bluetooth Low Energy (BLE) compatibility.
- Your Poly must have firmware 1.0.11 or higher.

If these requirements are not met, see the **Extended Manual** for the manual configuration method.

### 5.2 **First use**

When using the GoFigure app to configure a new Poly, the Setup Wizard can be used to quickly set Poly's most important settings.

When using the GoFigure app for the second time, it will open on the Poly's Near You page. Select your Poly and press **Skip This Wizard** to go straight to the configuration menu.

1. Enable Bluetooth on your control device.
2. Make sure Poly is within range of your control device (< 5 m).
3. Open the GoFigure app and press **Select Device**. The app will scan for nearby Poly's.
4. Select Poly once it appears on your screen and press **Select Device**.
5. Please wait while the app loads your Poly.
6. Enter a custom name for your Poly (optional). Press **Audio Playback** to continue.
7. Select Wi-Fi or Bluetooth as the initial connectivity mode. This can be changed later.
  - After selecting Wi-Fi, press **Connect Normally** to connect to a regular Wi-Fi network. Press **Create Hotspot** to allow your Poly to create a Wi-Fi hotspot
  - Select your Wi-Fi network and enter the password. Press **Continue/Submit**.
8. Select **Roon Ready** or **Everything else** as your preferred audio playback mode. This can be changed later.
9. The configuration is now complete! Press **Register Your Device** to register your Poly or press **Finish** to go to the Select Your Device menu.

Poly

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### NAME YOUR DEVICE

Give your device a name or skip to move onto audio playback settings.

SKIP THIS STEP

AUDIO PLAYBACK



Do you want to connect to your device using the regular connection method, or allow the device to create its own hotspot?

Note: Hotspot mode allows the device to act as a router, this should only be used for portable devices that cannot access personal hotspot mode where the network provider has placed restrictions. Your smartphone may no longer be able to access the internet when connected to Poly.

CONNECT NORMALLY

CREATE HOTSPOT

← Cancel

### Manually Connect To Network

Enter the name (SSID) of the network you wish to connect to and its password below.

Name (SSID)

---

Password

---

SUBMIT



### SUCCESS

You're all set! Your device may now reboot. if this happens please allow ten seconds for this.

If you have not registered your product yet you can do so by clicking the button below, this will also activate your warranty and help keep you up to date.

REGISTER YOUR DEVICE

FINISH

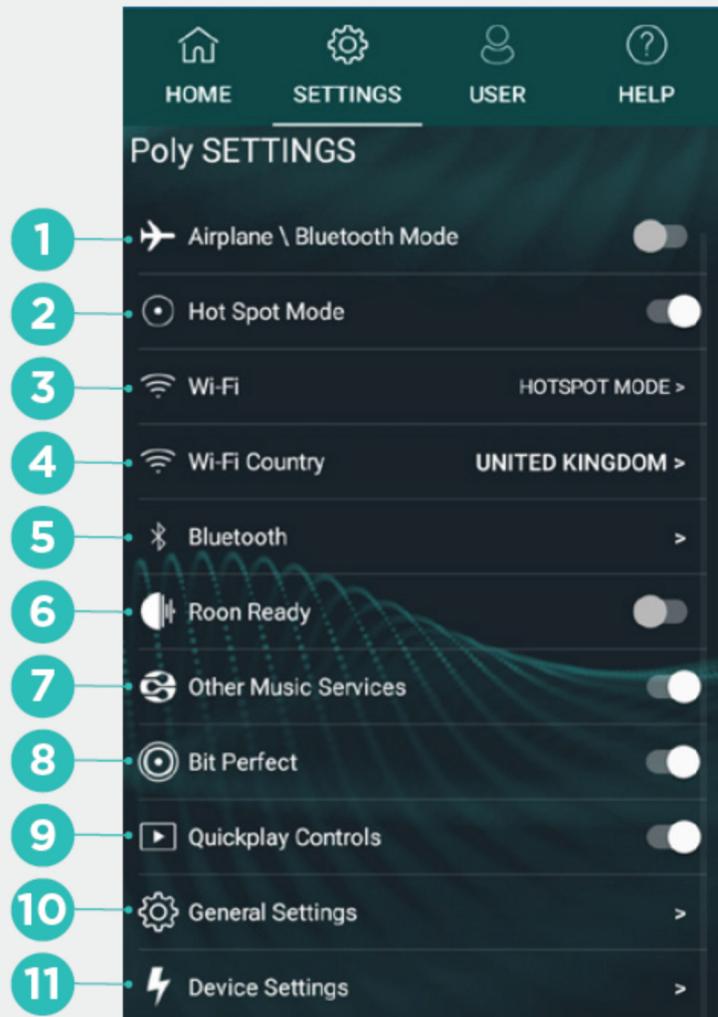
## 6 Connectivity modes

The GoFigure app allows you to select which wireless connection method Poly uses to connect to an external device. All configuration is done in the **Settings** menu.

### 6.1 Bluetooth

Poly's Bluetooth connection is always available, no matter which mode is selected.

- Select **Airplane\ Bluetooth Mode** **1** to optimize Poly for Bluetooth playback.



**NOTICE** Bluetooth is a user-friendly wireless connection method, but can result in some loss of sound quality. The use of a Wi-Fi connection is recommended for optimal sound quality.

**NOTICE** Poly has a maximum Bluetooth range of 5 metres. Sound distortion may occur beyond this range.

## 6.2 **Wi-Fi**

Wi-Fi is the Poly's preferred connectivity method because it ensures the best sound quality. The Poly can establish a Wi-Fi connection via two different modes.

**TIP** For optimal Wi-Fi performance, keep the antenna window **B** clear of obstacles.

**NOTICE** Poly communicates only via 2.4 GHz networks and has a maximum Wi-Fi range of 10 metres.

### **Network mode**

Network mode allows the Poly to connect to an available Wi-Fi network. It is active when

**Airplane\Bluetooth Mode** **1** and **Hotspot Mode** **2** are deselected.

1. Press **Wi-Fi** **3** to select or manually add a network.
2. Press **Wi-Fi Country** **4** to select the a country.

**TIP** The Poly can connect to a Wi-Fi hotspot generated by smartphone.

**TIP** You can add multiple networks to the Poly. They will be automatically remembered and connected to when in range.

## Hotspot mode

Hotspot mode allows you to connect to a Wi-Fi network created by your Poly. It acts as a replacement for Wi-Fi when no external network is available.

1. Select **Hotspot Mode** **2**. The Poly will now reset and the app will close.
2. Enable Wi-Fi on your control device and select the Poly-xxxx\* to connect.
3. If available, select the “use without internet” option on your control device when connecting to the Poly’s hotspot.
  - On an iOS device, press “cancel” in the top right corner to reveal this option. Repeat this step if necessary.

*\* All digits in the Poly’s hotspot name are unique to each device.*

**TIP** Once your control device is successfully connected, these steps do not need to be repeated when using Hotspot mode again.

## 7 **Audio playback**

The GoFigure app allows you to select which mode is used by the Poly to playback audio. All configuration is done in the Settings menu.

### 7.1 **Roon**

The Poly can act as a Roon Ready device and playback audio from your personal Roon server.

1. Make sure the Poly is connected to the same network as your Roon remote device.
2. Select **Roon Ready** **6**. **The Other Music Services** **7** option will be automatically deselected.
3. Navigate to your Roon Output settings and enable Poly. Poly is now a registered output.

### 7.2 **Airplay**

The Poly supports AirPlay, which allows it to connect to your Apple devices.

1. Select **Other Music Services** **7**.
2. Make sure Poly and your Apple device are connected to the same Wi-Fi network.
3. Navigate to your Apple device's audio output options and select Poly. All audio will now route to Poly.

## 7.3 Bluetooth audio

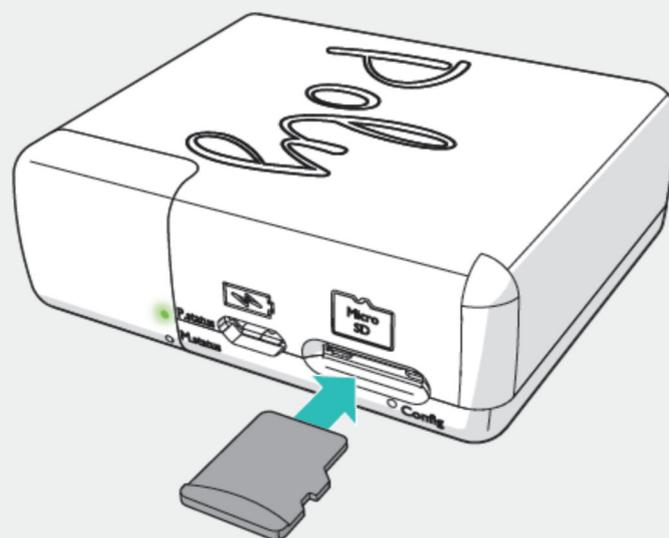
The Poly can play back audio via a Bluetooth connection.

1. In the GoFigure app's Settings menu, select **Airplane\Bluetooth Mode 1**.
2. Enable Bluetooth on your control device and select the Poly to connect.
3. Play music from your control device.

**NOTICE** If there are two Poly's visible as available Bluetooth devices, close the GoFigure app and select the one that remains.

## 7.4 Micro SD card

This Poly is able to play back music stored on a Micro SD card via DLNA, UPnP or MPD.



1. Select **Other Music Services** **7**.
2. Insert a Micro SD card into the Poly's Micro SD slot **F**. The P-status LED **C** flashes green when the card is detected.

**NOTICE** If the Poly does not detect the Micro SD card, insert the card into a computer and make sure it is formatted to ExFat.

3. On your control device, open a DLNA, UPnP or MPD app of your choice (e.g. BubbleUPnP (Android) or 8 Player (iOS)).
4. In the app, select the Poly as the audio output.
5. Select a song from the Micro SD card's directory and begin playback.

**TIP** The Poly supports an unlimited amount of Micro SD storage capacity.

### **Quickplay**

The Quickplay option allows you to look at any MPD playlists stored on the Micro SD card. See §10.3 for more information.

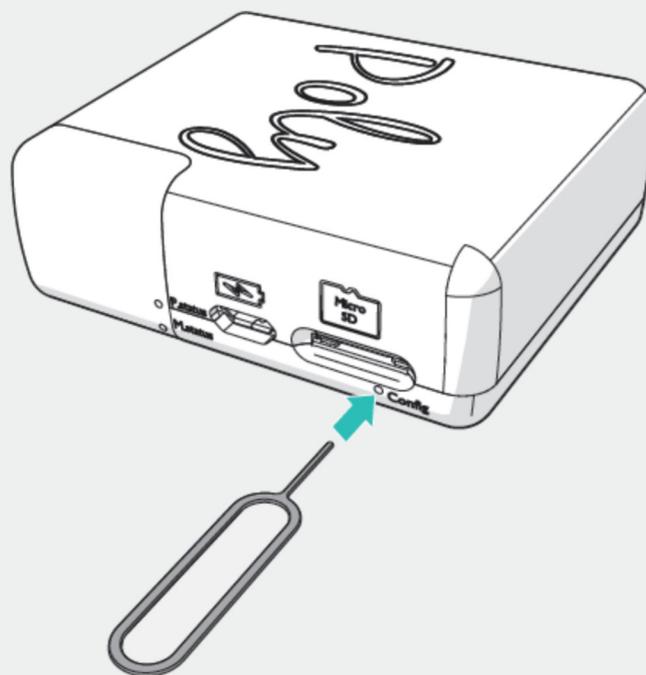
1. Press the **LAUNCH QUICKPLAY** button in the app's home screen.
2. Select one of the available playlists and begin playback.

## 8 Manual configuration

If your Poly or control device do not meet the requirement for configuration via the GoFigure app, the connectivity and audio playback modes can be manually configured.

### 8.1 Connecting Poly

Poly can be wirelessly connected to external devices in three ways: Bluetooth, Wi-Fi network and a Wi-Fi hotspot. Bluetooth is always available, while the other two connectivity modes can be manually selected via the Config button **G**.



**TIP** The use of a headset is necessary while progressing through the options. This allows you to receive spoken feedback and instructions during the process.

1. Use the provided pin **A** to reach the Config button **G**.
2. Press the Config button once to start the sequence:

))) *“mode: press for mode”*

3. Press the Config button repeatedly to progress through the options:

))) *“mode: current mode”* → *“mode: enter Hotspot mode”* → *“mode: enter Network mode”* → *“mode: Hotspot password reset”* → *“mode: Bluetooth PIN reset”* → *“factory reset”* → *“firmware update”*.

4. After reaching the desired option, wait 5 seconds. Press the Config button one last time when instructed:

))) *“mode: press to enter XXXX mode”* → *“mode: entering XXXX mode”*

**TIP** Selecting *“mode: current mode”* will prompt the Poly to tell you the current connectivity mode.

**TIP** Selecting one of the three reset options requires you to hold the Config button for several seconds.

## Bluetooth connection

Poly's Bluetooth connection is always available, no matter which mode is selected.

**NOTICE** Bluetooth is a user-friendly wireless connection method, but can result in some loss of sound quality. We recommend using a Wi-Fi connection for optimal sound quality.

1. Enable Bluetooth on your control device.
2. Select **Poly** from the list of available devices.
3. When asked, enter **0000** as the input code.

**TIP** The P-status LED flashes purple when connected via Bluetooth.

**TIP** The PIN can be changed in the GoFigure app.

## Wi-Fi network mode

Network mode allows Poly to connect to an available Wi-Fi network.

- Select **Network mode** by using the Config button **G**.  
Poly is available for Wi-Fi connection when the P-status LED **C** starts to flash blue.

Poly will automatically look for or connect to a known Wi-Fi network. A new Wi-Fi network must first be added in the browser configuration menu. See §9.1 on how to connect to a Wi-Fi network.

## Wi-Fi hotspot mode

W-Fi hot spot mode allows you to connect to a Wi-Fi network created by your Poly. It acts as a replacement for Wi-Fi when no external network is available.

1. Select **Hotspot mode** by using the Config button **G** using the instructions above.  
The P-status LED **C** will flash blue and green when the Poly is in Hotspot mode.
2. Enable Wi-Fi on your control device.
3. Select the Poly-xxxx\* to connect to the hotspot.

*\* All digits in the Poly's hotspot name are unique to each device.*

## Factory reset

The factory reset option allows you to erase all user adjustable information from Poly's memory (e.g. Wi-Fi networks, passwords and playlists).

**NOTICE** Remove your Micro SD card from Poly before running a factory reset. Poly will otherwise re-index the card as soon as the reset is complete.

- Select **Factory Reset** with the Config button .

**NOTICE** Your Poly's name may not have reset when re-connecting Poly to a previously connected control device. The name will reset once the Bluetooth cache is updated.

## 9 **Browser configuration**

As an alternative to the GoFigure app, Poly can also be configured in a browser menu. This menu is only available on a control device that is connected to the Wi-Fi hotspot generated by Poly.

- Make sure Poly is in Hotspot mode. See §8.1 for instructions.
  - In the network settings, select Poly's WiFi network and select the URL (**http://192.168.1.1**).
- OR**
- Open your browser and go to **www.poly.audio**

The configuration menu has three sections:

- **Wi-Fi settings**
- **Manage Connections**
- **Play Mode settings**

### 9.1 **Wi-Fi settings**

The **Wi-Fi settings** section allows you to:

- Name your Poly.
- Enter the network name and password of the WiFi-network you wish to use.
- Save a Wi-Fi network to add it to Poly's memory.
- Assign a password to the Wi-Fi hotspot created by your Poly when in Hotspot mode.
- Select the country that matches the used Wi-Fi network.

## 9.2 **Manage Connections**

The **Manage Connections** section allows you to:

- Delete a previously saved Wi-Fi network from Poly's memory.

## 9.3 **Play Mode settings**

The **Play Mode settings** section allows you to:

- Select an audio playback mode.  
Information about these options can be found at the bottom of the page or in chapter 7 of this manual.
- Select **Roon Ready** to use Roon as the audio playback mode.
  - Select **DSD** to use Roon DSD mode.  
See §10.2 for more information.
- Select **Other** to use Micro SD, Airplay or Bluetooth audio as the audio playback mode.
  - Select **MPD Bit Perfect Audio** if you wish to only use Mojo for volume control.
  - Select **Keep in Hotspot Mode** if you wish to stay connected to Poly's hotspot.
- Save your settings.

**TIP** Deselect **Keep in Hotspot Mode** if you want to connect to a newly added Wi-Fi network.

### Play mode settings

Poly Remote Setup

Choose Your Play Mode:

Room Ready     DSD

Other

Other Settings:

MPD Bit Perfect Audio

Keep In Hot-Spot Mode

Reboot on save

### Wi-Fi settings

Poly Remote Setup

Personalise your Poly's network name:

Enter your WIFI details:

Reboot on save

### Manage connections

Available Connections

SSID	Action
Chord-2.4G	<input type="button" value="Delete"/>
wlan-manualise	<input type="button" value="Delete"/>

### Hotspot settings

Personal Hotspot Password

Set your Hotspot Password:

Disable Password

**TIP** When switching between Hotspot mode and Network mode, press **Save and Reboot** to ensure Poly reboots in the new mode.

## 10 **GoFigure app - Extra features**

The GoFigure app's Settings menu has some additional modes that allow you to customize your Poly audio playback experience.

### 10.1 **Bit Perfect**

Adjusting the volume with the physical controls of your control device can compromise the quality of the digital signal. Bit Perfect mode disables the physical volume control on your control device and prevents this from happening.

- Select **Other Music Services** **7**. The Bit Perfect playback mode now becomes available.
- Select **Bit Perfect** **8**.

**TIP** Bit Perfect mode will not disengage the digital in-app volume control.

## 10.2 **Roon DSD**

This mode must be enabled for DSD playback via Roon.

**NOTICE** Enabling Roon DSD will disable the in-app volume control.

- Select **Roon Ready** **6**. The DSD mode becomes available.
- Select **Roon DSD** **8**.

## 10.3 **Quickplay**

The Quickplay option allows you to look at any MPD playlists stored on the Micro SD card.

- Select **Quickplay Controls** **9**.
- In the app's home screen, press **LAUNCH QUICKPLAY**.
- Select one of the available playlists to begin playback.

**TIP** Quickplay uses the BLE connection between Poly and your control device, so no Wi-Fi connection is required.

**TIP** MPD playlists can be created in applications such as MPDeluxe (iOS), Glider (iOS) or M.A.L.P. (Android).

## 10.4 **General Settings**

The **General Settings** **10** menu contains information about Poly's networks and the contents of its MicroSD card.

- Press **Refresh DLNA Database** to retrieve information about a newly inserted MicroSD card.

## 10.5 **Device Settings**

The **Device Settings** **11** menu allows you to change Poly's settings.

- Press **Re-run Wizard** to repeat the initial configuration process.
- Press **Factory Reset** to reset Poly back to its default factory settings.

## 11 Registering Poly

Registering your Poly is important because it activates the free 12 month warranty period that comes with the purchase of Poly.



Register your Poly in one of these two ways:

- Register your Poly via the Chord Electronics website:  
**[www.chordelectronics.co.uk/register-product](http://www.chordelectronics.co.uk/register-product)**
- Register your Poly after completing the Setup Wizard in the GoFigure app. See §5.2 for instructions.

## 12 Updating Poly

New firmware is periodically issued to guarantee high performance and introduce new features to Poly. These updates can be found in the GoFigure app.

1. In the GoFigure app's Settings menu, press **Device Settings**.
2. Press Firmware Update and select the update you wish to install.

Poly can also be updated via manual configuration.

- Select **Firmware Update** by pressing the Config button **G**. See §8.1 for instructions.

**NOTICE** The GoFigure will not actively notify you of new updates. Check the app regularly to keep your Poly up to date.

**NOTICE** Updates cannot be downloaded when Poly is connected to a network with internet access.

## 13 Technical Specifications

We are invested to keeping Poly up to date. Please refer to [www.chordmojo.com](http://www.chordmojo.com) or [www.chordelectronics.co.uk](http://www.chordelectronics.co.uk) for the most recent specifications.

<b>Dimensions</b>	50 x 62 x 22 mm
<b>Weight Poly</b>	91 g
<b>Total weight</b>	180 g
<b>Playback time</b>	Approx. 9 hours
<b>Charging time</b>	Approx. 5 hours
<b>Charging input</b>	5V / 2A
<b>Wi-Fi</b>	2.4 GHz
<b>Bluetooth</b>	4.1 / A2DP
<b>PCM sample rates</b>	44.1 kHz - 768 kHz
<b>DSD via DoP</b>	DSD64 - DSD256
<b>Storage</b>	MicroSD (unlimited capacity)



**Chord Electronics Ltd.**

The Pumphouse, Farleigh Lane,  
East Farleigh, Maidstone  
ME16 9NB, United Kingdom

[www.chordelectronics.co.uk](http://www.chordelectronics.co.uk)