

Karaoke Set

You should have

- ◆ Nebula solar data projector
- ◆ Power lead & remote for projector
- ◆ Case for projector
- ◆ PA (Monacor TXA 800CD)
- ◆ PA power lead
- ◆ 1 x mic with lead
- ◆ 1 x wireless mic
- ◆ Extension reel
- ◆ Projector screen (table-top)
- ◆ PA stand and mic stand (optional)

You will need

- WiFi
- Mains power supply
- A space/room which is suitably dark
- A table for the projector screen or suitably pale-coloured blank wall space
- A table to sit the projector on

Projector specifications

- Brightness: 400 lumens
- Resolution: 1920x1080 (16:9, FHD)
- Projection size: 1m to 3m: 3m at 3.18m; 1m at 1.05m
- Operating system: Android TV 9.0
- Sound: Dolby Digital Plus & 2x3W
- Ports & connections: HDMI, USB, Bluetooth, Wi-Fi, and Chromecast
- Weight: 1.3kg
- Video playtime: Up to 3 hours in battery mode, up to 2 hours in standard mode



Setting up the equipment

Step 1: Set up the screen

Fold out the feet on each corner of the bottom of the screen (they can be quite stiff)

- Pull out the silver metal support bar from the bottom of the screen [see diagram, right]. Put the round end of the support bar into the hole on the top side of the screen.
- Pull up the screen using the black metal half-circle. Hang the half-circle over the hook on the top of the support bar.

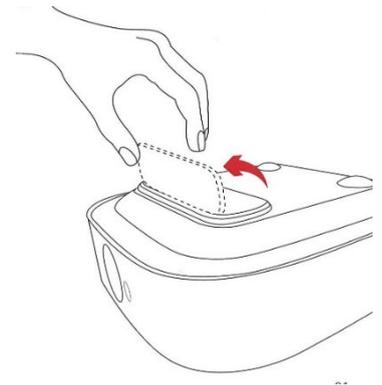


Step 2: Set up the projector

The projector is an Android device, which has access to a karaoke app called “Karafun”

The data projector has a little fold-down foot you can pull out if you need to adjust the height of the projected image [see diagram, right].

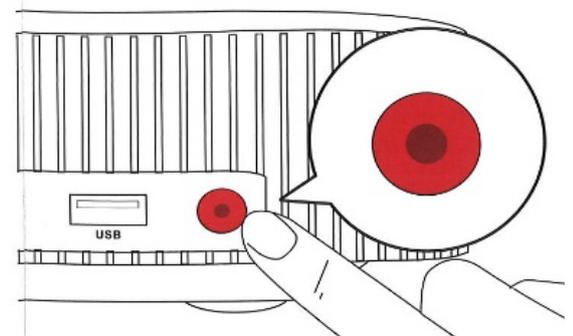
Turn on the data projector. Press and hold the power button for 2 seconds [see diagram, below right]. The projector runs on a battery or can be plugged in as needed using the plug and lead provided.



**If the projector does not turn on it may need resetting. To reset, hold down the on/off button for 10-12 seconds. Release. Turn on by holding down the on/off button for 2 seconds.

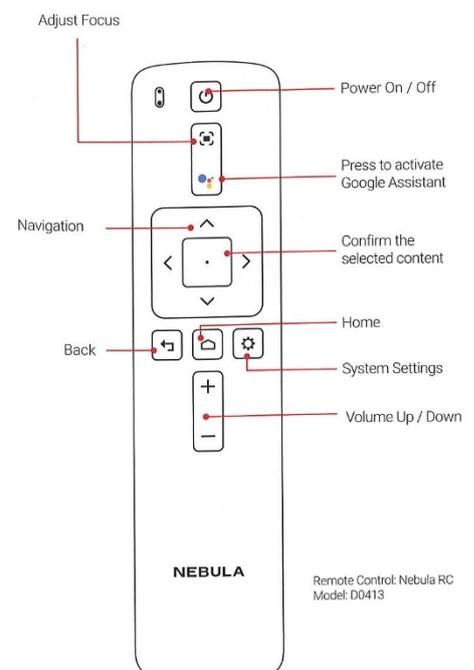
Projector settings & adjustments

- Adjust the distance between the data projector and screen as needed.
- The projector should automatically adjust its focus, but if you need to you can press the ‘adjust focus’ button on the remote control. 



Connecting the projector to a WiFi network

- Use the arrow keys on the remote control to go to the ‘Settings’ icon in the top right corner (little cog symbol)
- Choose Network & internet
- You should see the available WiFi networks. Choose the one you have access to
- Enter the password
- The projector will connect to the internet
- Press the Home button on the remote control to go back to the Home screen



Step 3: Connect the PA to the projector

Plug the power lead into the PA, and then into a power socket.

- Switch the PA on.
- Turn the dial on the Bluetooth panel on the back of the PA. If the blue lights come on and stay on, then the PA is already paired to the projector and you can move on to step 4. If the blue lights flash, then:
 - Turn on Bluetooth on the projector: use the arrow keys on the remote control to go to the 'Settings' icon in the top right corner (little cog symbol). Go to 'Remotes and accessories'.
 - Look for available Bluetooth connections on the projector. Go to 'Add accessory' and the projector will scan for available devices and 'Portable PA' should appear.
 - It will say 'connected' under 'Portable PA' when the projector is connected to the PA.

Step 4: Connect the mics

Mic with lead

- Connect the mic to the lead.
- Plug the mic into the back of the PA, paying attention to the direction of the pins. **Don't try to force it in!**



Wireless mic

- Switch ON the wireless mic by pressing and holding the little grey button at the base of the microphone. It will show CHO1 on its screen.
- On the back of the PA, turn ON the UHF-PLL dial (top, left)
- Check that the RX light is on and the channel number shown on the screen matches the one on the microphone.
- Control the volume using the switch on the microphone (high/low/mute) and by the UHF-PLL dial.
- Set these volume controls to a mid-point and then slowly increase the master volume and adjust until you are happy with the sound level.



Adjusting the volume

- Switch the mics on.
- The volume level on the mic with the lead is controlled by the MIC volume knob.
- The volume level on the wireless mic is controlled by the UHF-PLL panel on the back.
- The overall volume of the PA is controlled by the MASTER volume knob.
- If you cannot hear the mics very well, try increasing the master volume.



Using the Karafun app



1. To launch the app

- The projector has the Karafun karaoke app already installed.
- Launch the Karafun app. If you cannot see it on the 'home' screen, select 'apps' on the top menu bar.
- To use the app, you will need to be signed into the Resource Centre Google account. It should be already signed in, but if you accidentally sign out, you can log back in by following these steps:
 - Use the remote control to go to the 'Settings' icon in the top right corner (little cog symbol)
 - Choose Accounts & Sign-in
 - Choose Sign in and enter the following details:
Email address: resourcecentrepublish@gmail.com
Password: re5ourcecentre
- The app should already be signed in. If it isn't, you can sign in using these details:
Email address: resourcecentrepublish@gmail.com
Password: RCKaraoke!

2. Decide if you want to allow people to control the app from their phones at your event

- You can have up to 20 phones (or tablets or other devices) connected to your karaoke session at any one time.
- When someone's phone is connected, they can: find songs; add songs to the queue; and change the audio settings of a song (while they themselves are singing and while other people are singing).
- You may not want everyone in the room to be able to do these things. Decide before you start your karaoke session, and follow the appropriate instruction below.

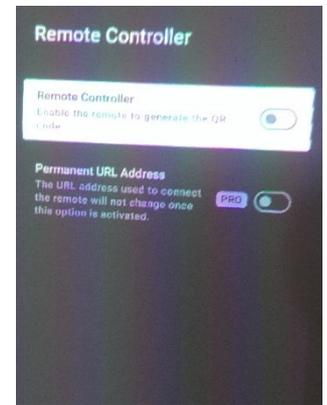
If you **do** want people to be able to connect to your karaoke session using their phones:

- Go to the 'settings' icon in the top right corner (little cog symbol). Choose 'Remote Controller'.
- A QR code will appear. People can scan this from their phones and it will take them to the Karafun website. They can choose a user name and click 'join session'.
- The QR code will also appear in the corner of the screen while songs are playing. People can scan this at any time to connect their phones or tablets.
- It can be useful to have one or two people connected on their phones, as they can manage the queue and search for new songs without interrupting a song that is playing. In order to enable this, you will need to switch on the Remote Controller option and ask everyone else not to use it.



If you **do not** want anyone to be able to connect to your karaoke session using their phones:

- Go to the 'settings' icon in the top right corner (little cog symbol). Choose 'Remote Controller'.
- Make sure that the option to 'Enable the remote to generate the QR code' is not selected (i.e. is grey, not pink).
- People can still browse the Karafun catalogue of songs on their own phones at www.karafun.co.uk
- If the Remote Controller option is switched off, the only way to control the queue will be by using the projector remote control. This will interrupt a song that is playing, so you need to make sure you make changes or additions to the queue between songs, not while someone is singing.

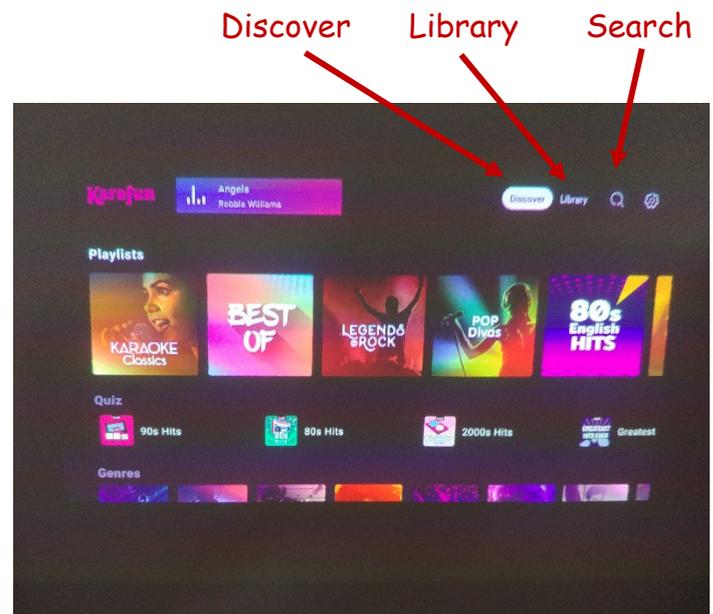


3. Making a playlist

- It might be useful for your group to make a playlist in advance of your event. You can ask people to suggest songs and then add them to a playlist that will run throughout the event. People can also add songs during the event (see below for more details on this).
- Use the remote control to go to the 'Library' tab along the top of the screen. Choose 'Create a new playlist' from the options on the left, and give your playlist a name.
- Find the song you would like to add to the playlist using the instructions in point 4 below. When you have selected the song, choose 'Add to playlist' and select your playlist.

4. Finding the song you want

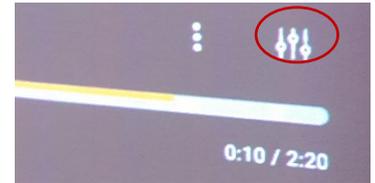
- If you want to browse the songs that are available in the app, use the remote control to go to the 'Discover' tab along the top of the screen. From there, you can use the remote to look through the Karafun lists of songs, organised into 'playlists', 'genres' 'top' and 'new releases'.
- If you know which specific song you would like to find, go to the 'Search' icon (little magnifying glass) along the top of the screen and press enter on the remote control. You can then speak to search, or press the right arrow key on the remote to enter a song title manually.
- When you have found the song you want, press enter on the remote. You then have the option to play the song now, add it to the queue, or add it to a playlist.
- For people using phones, the Karafun song lists and a search bar appear as soon as they are connected to the session. They can search songs and will be able to add songs to the queue.



5. Choosing the audio settings

- If a song is already playing, you can pause it by pressing the enter button on the remote.
- Use the arrow keys to navigate to the audio settings icon on the bottom right of the screen, just above the song timer. From there, you can choose:
 - The volume of the backing vocals
 - The volume of the lead vocals/to turn the lead vocals off completely
 - The tempo (speed) of the song
 - The key of the song
- For people using phones, they will be able to see which song is playing at the bottom of their phone screen. If they tap on the song name, the audio settings options will appear and they will be able to change the settings while the song is playing.
- The settings will stay the same for subsequent songs, until they are changed again.

Audio settings ↘



6. Managing the songs in the queue

- When you are on the main karaoke screen (with a song playing, or waiting to play), you can see the songs in the queue below the song that is playing.
 - Use the remote control to navigate to any of these songs at any time and:
 - Remove it from the queue;
 - Play the song now; or
 - Play the song next (i.e. move the song up the queue)
- Bear in mind that this will disrupt the display on the screen if you do it while a song is playing
- For people using their phones, if they tap on the song name on the bottom of their phone screen, they will be able to see the song queue too. If they tap on the name of a song, they will be able to:
 - Remove it from the queue;
 - Play the song next (i.e. move the song up the queue);
 - Add their own name to the song; and
 - Change the audio settings for the song.

Troubleshooting

If the Karafun app stops working

Exit the Karafun app. Turn the projector off and on again.

If the wireless mic doesn't work...

Is the mic switched on?

The tiny button at the base of the mic turns it on and off. There is also a 'mute' button further up the mic – make sure the grey button is on 'low' or 'hi', not 'mute'.

Is the receiver switched on?

If the little screen on the PA says Off, turn the dial marked UHF-PLL clockwise until it shows a channel number.

Does it need a new battery?

Replace the two AA batteries in the mic. To do this:

- Slide off the yellow cap on the base of the microphone
- Slide off the black panel on the back of the mic
- Replace the batteries, then replace the black panel and yellow cap

Are you picking up other signals?

If the RX light comes on, even when your wireless mic is switched off, you are picking up interference. Switch to a different channel by using the procedure below

Are the channels matching?

If the channel number shown on the PA isn't the same as the channel number shown on the microphone, you can **change the channel on the speaker:**

- Press the Set button
- While the screen is flashing, use the up and down arrow keys to choose the channel that matches the microphone
- Press Set again, to confirm

And/or on the microphone:

- Hold in the button to the left of the mic screen, until the channel number flashes
- Use the up and down keys to choose the channel
- Press the button again to confirm

Turning the projector off

- Press and hold the power button. A menu pops up. Select "Power Off" to turn off the projector.
- The light should go off on the power button at the back.
- Please ensure that the power on the data projector is fully turned off and that the projector has cooled down sufficiently before putting it back in its case.