Maintenance Advice for Educators

SOUNDFIELD TECHNOLOGY CHECKLIST & MAINTENANCE GUIDE

ASSESS WHICH REDCAT SOUNDFIELD SYSTEM YOUR SCHOOL IS USING

These Redcat Soundfield systems ARE SUPPORTED

Identify your Redcat by its model logo above the screen to assess the compatible microphones.

LOOK FOR THIS LOGO

Redcat (RCN)
Post 2022

Flexmike   Sharemike
THESE MIKES ONLY WORK WITH THIS MODEL REDCAT

LOOK FOR THIS LOGO

Redcat Access (RCA)
Pre 2022

Flexmike   Sharemike
THESE MIKES ONLY WORK WITH THIS MODEL REDCAT

ALL SPARES ARE AVAILABLE FOR THESE SYSTEMS.

These Redcat Soundfield systems are NOT SUPPORTED and are DISCONTINUED

WHITE REDCAT IR

BLACK REDCAT IR

DISCONTINUED

DISCONTINUED

Redcat IR
THIS MIKE ONLY WORKS WITH THIS MODEL REDCAT

Redmike IR   Redcat (RC2)
THIS MIKE ONLY WORKS WITH THIS MODEL REDCAT

Redmike IR
(DISCONTINUED)

Only battery
(NH2A27) available

Please note that a Redmike is only compatible with a white Redcat or black IR Redcat shown.
IT IS NOT COMPATIBLE WITH REDCAT ACCESS OR REDCAT POINT TO PAIR SHOWN ABOVE.

ALL SPARES FOR WHITE & BLACK REDCATS IR ARE DISCONTINUED

Maintenance Advice for Educators

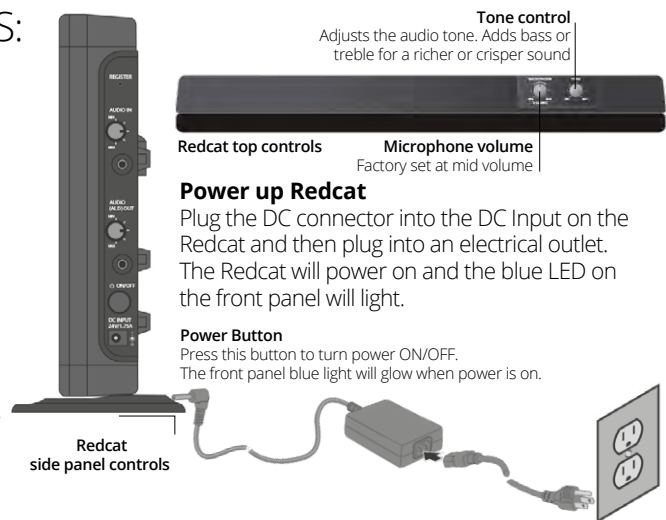INSTALLATION AND TROUBLESHOOT A BLACK REDCAT ACCESS

Redcat Access™

The Redcat Access speaker / amplifier with power supply, needs to be located, together with the Flexmike and Sharemike.

Redcat Access

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat Access (RCA)
Pre 2022

Flexmike (Pre 2022)   **Sharemike (Pre 2022)**

THE FLEXMIKE AND THE SHAREMIKE ABOVE ARE ONLY COMPATIBLE WITH REDCAT ACCESS.

HOW TO POWER UP REDCAT ACCESS:

Make sure the Redcat Access is connected properly to power. Obviously, this means the power cable is plugged fully into a functioning power point, the power cable is firmly pressed into the black brick transformer, and connected to the Redcat properly.
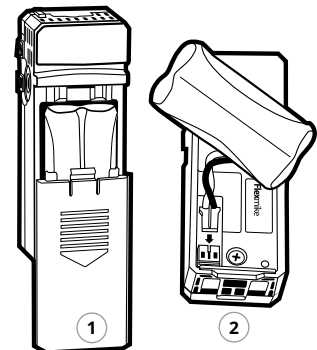
HOW TO ASSESS THE MIKES:

It is highly likely existing batteries inside Flexmikes and Sharemikes are out of warranty and/or worn out. Batteries can be sourced here. **hearandlearn.com.au/products** There will need to be batteries in the Flexmikes or Sharemikes to work. The batteries shown are the **ONLY** ones that can be used in Sharemikes and Flexmikes.

Tone control
Adjusts the audio tone. Adds bass or treble for a richer or crisper sound

Redcat top controls   **Microphone volume**
Factory set at mid volume

Power up Redcat
Plug the DC connector into the DC Input on the Redcat and then plug into an electrical outlet. The Redcat will power on and the blue LED on the front panel will light.

Power Button
Press this button to turn power ON/OFF.
The front panel blue light will glow when power is on.

Redcat side panel controls

Sharemike battery #NH2APK

Flexmike

Flexmike battery #NH.4V

Sharemike

For information on replacing Sharemike batteries go to Page 4.

REPLACING BATTERIES IN FLEXMIKES
(Battery part #NH.4V)

1. Slide the battery door open.
2. Carefully pull the battery away from the Flexmike and disconnect the cable.
3. Connect the cable of the new battery pack as shown and insert the battery pack into the compartment.
4. Slide the cover back on and snap into place.
5. Place the Flexmike into the cradle charger to charge the battery pack.

① ②

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INSTALLATION AND TROUBLESHOOTING FOR ACCESS FLEXMIKE AND SHAREMIKE

Redcat Access™

Redcat Access

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat Access (RCA)
Pre 2022

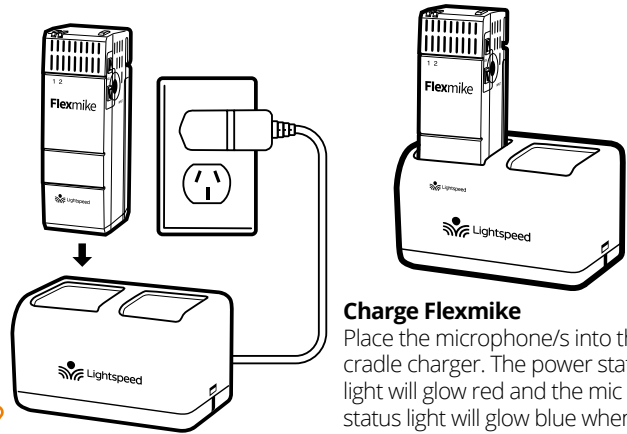## CHARGING THE FLEXMIKE

Before use, the Flexmike should be charged It will take **5-6 hours** for the Flexmike to obtain a full charge. A fully charged Flexmike will last for up to **8 hours** of use.

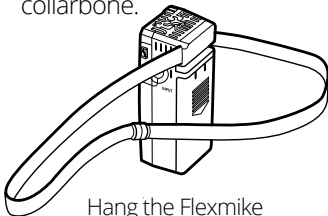*If microphones are used daily, they **must** be charged overnight.*

Connect cradle charger
Plug power cord into the cradle charger and then plug into a power point.

Charge Flexmike
Place the microphone/s into the cradle charger. The power status light will glow red and the mic status light will glow blue when it is charging. When charging is complete, the power status light will glow green. It takes about 5-6 hours to fully charge the microphone battery.

DAILY USE OF THE FLEXMIKE

Remove the Flexmike from the charger and put it on by connecting the magnetic clasps behind your neck. Adjust the lanyard so that the top of the Flexmike aligns with the collarbone.

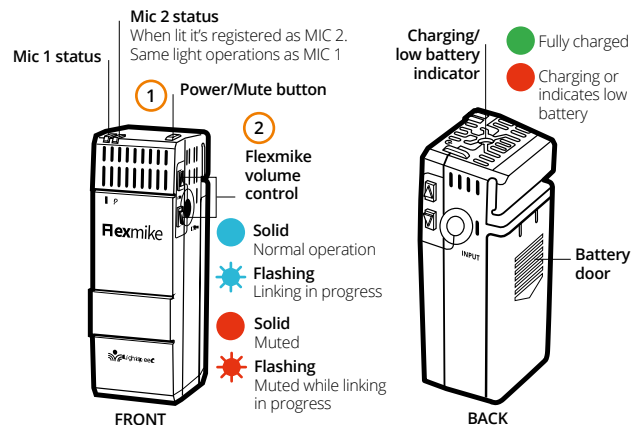Hang the Flexmike on the lanyard opposite the magnetic clasp.

Align with collarbone

① **The Power/Mute button**
Press and hold to power on or off. Press to mute.

② **Flexmike volume control**
Microphone volume may be adjusted at the microphone by using the UP/DOWN buttons on the side of the Flexmike.

While speaking in a normal voice, fine tune the microphone volume. Proper volume level should be as follows:

- Your voice should be clearly heard by another person on the other side of the room.
- You should barely be able to hear your own voice.
- There should not be any 'feedback' or squealing outside of 60-90cm, if there is turn the volume down slightly.

Mic 1 status

Mic 2 status
When lit it's registered as MIC 2. Same light operations as MIC 1

Charging/ low battery indicator

● Fully charged
● Charging or indicates low battery

① **Power/Mute button**
② **Flexmike volume control**

Flexmike

● **Solid** Normal operation
❋ **Flashing** Linking in progress
● **Solid** Muted
❋ **Flashing** Muted while linking in progress

Battery door

INPUT

FRONT   **BACK**

REMEMBER:
This equipment supplements the user's voice so they are able to speak in a conversational tone. Having the volume set too high will result in feedback and listener fatigue.

- Once initial volume level is set, walk around the room and listen for overall audio quality.
- If further fine tuning is required, you may need to adjust the Tone control on the side of the RedCat.

Maintenance Advice for Educators

INSTALLATION AND TROUBLESHOOTING FOR ACCESS FLEXMIKE AND SHAREMIKE
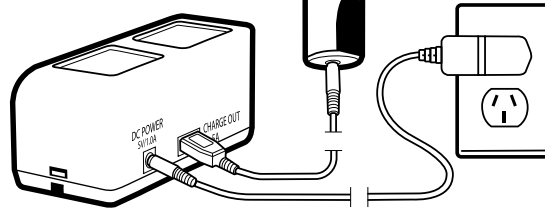
Redcat Access™

Redcat Access.

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat Access (RCA)
Pre 2022

REPLACING BATTERIES IN SHAREMIKE
(Battery part #NH2APK)

1

1. Slide the battery door open.
2. Carefully remove the battery pack from the Sharemike.
3. Insert the new battery pack into the compartment, ensuring proper polarity is observed.
4. Slide the cover back on and snap into place.
5. Connect the Sharemike to a charging cable and plug into the back of the cradle charger to charge the battery pack.

Connect cradle charger
Plug power cord into the cradle charger and then plug into a power point.

CHARGING THE SHAREMIKE

Before use, the Sharemike should be charged. It will take **5-6 hours** for the Sharemike to obtain a full charge. A fully charged Sharemike will last for up to **8 hours** of use.
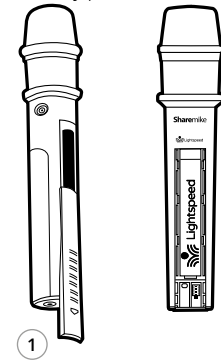
DC POWER 5V/1.0A   CHARGE OUT

If microphones are used daily, they **must** be charged overnight.

Charge Sharemike
Connect one end of the charging cable into the socket labeled CHARGE on the bottom of the Sharemike. Plug the other end into the USB socket on the back of the cradle charger. Leave the Sharemike plugged in overnight (5-6 hours) to obtain a full charge. The light will turn green when charging is complete.
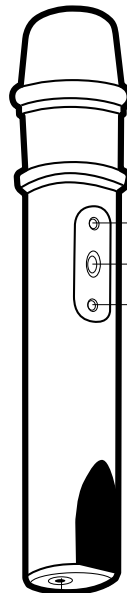
DAILY USE OF THE SHAREMIKE

At the start of the day, remove the Sharemike from the USB lead plugged into charging cradle. Ensure the 955 Access is on. The blue light on the front of the 955 Access will glow.

Turn on the Sharemike by pressing and holding the power button until the LED lights.

Grip the Sharemike in the center section.

While speaking in a normal voice, increase the volume on the 955 Access Microphone volume control knob until your voice is barely audible.
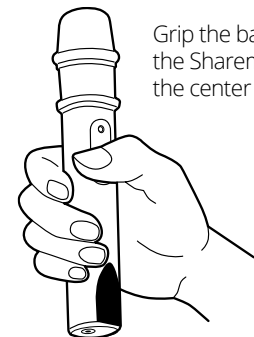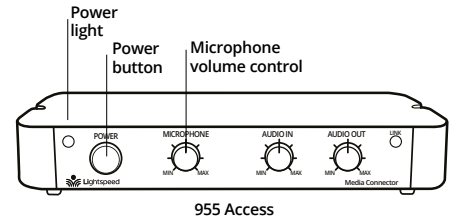
Mic 1 light
Indicates battery/ charging status when Sharemike is registered as MIC 2

- ☀ **Flashing** Low battery
- ● **Solid** Charging
- ● **Solid** Complete charge

Power button

Mic 2 light
Indicates operation status when Sharemike is MIC 1 (Standard)

- ● **Solid** Normal operatio
- ☀ **Flashing** Linking in process
- ● **Solid** Muted

Charger input

Power light

Power button

Microphone volume control

POWER   MICROPHONE   AUDIO IN   AUDIO OUT   LINK
Lightspeed   MIN MAX   MIN MAX   MIN MAX   Media Connector

955 Access

Grip the barrel of the Sharemike in the center section.

REMEMBER:
This equipment is designed to supplement and distribute the user's voice so they are able to speak in a conversational tone. Having the volume set too high will result in feedback and listener fatigue.

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Maintenance Advice for Educators

INSTALLATION AND TROUBLESHOOTING FOR ACCESS FLEXMIKE AND SHAREMIKE

Redcat Access™

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat Access (RCA)
Pre 2022

Sometimes Flexmikes get mixed up, batteries die or parts go missing. Here are some scenarios you may encounter.

✓ ENSURE THE FLEXMIKE IS TURNED ON.

It may already be on and asleep – push the ON/OFF button quickly to wake it up. It may be completely turned off – push and hold the ON/OFF button for 3 seconds. No lights at all? Probably no charge left. Put the Flexmike in the charging cradle to charge it up.

✗ NO RED LIGHT ON THE FLEXMIKE?

Chances are there is a fault with the charging cradle, or you have put the Flexmike in the cradle the wrong way around. Check its positioning and replace.

✓ RED LIGHT AND SOLID BLUE LIGHT(S)?

Power/mute

Great. Now you're ready to test. Let's make sure everything is running really well! Take out the Flexmike and press the ON/OFF button on the top to wake it up.

✗ RED LIGHT AND FLASHING BLUE LIGHTS?

Each Redcat Access supplied comes with a Flexmike already paired (or 'married') to it. If a Flexmike is taken from the room where the Redcat Access it's 'married' to, it will indicate that it is not paired and is 'looking' for its 'spouse'. You will need to to to walk from room to room to discover it's Redcat 'spouse'.

As a workaround, you can 'marry' or pair a Flexmike with a different Redcat Access. To find out click on the picture below or scan the QR code to view the video.

https://www.youtube.com/watch?v=hVE7qCP_Emw

- -
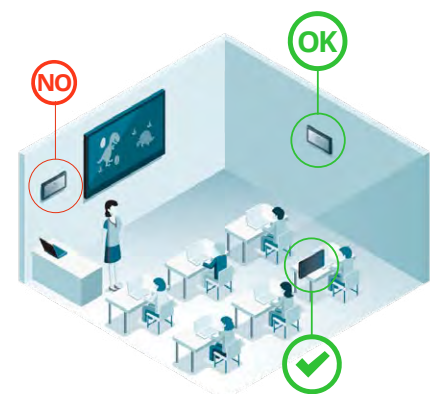
POSITIONING YOUR REDCAT

You may be restricted in your choices of where to place your Redcat in the classroom. As a rule, in the middle of the longest wall is ideal and if possible avoiding the teaching wall.

Redcat should be placed within 2 metres of an electrical outlet and about 1.5 metres off the ground.

Find a location as far away as possible from the teacher using the microphone. Avoid placing Redcat on any wall close to where the teacher usually stands when instructing the class. If the teacher's microphone is too close to Redcat it may result in annoying feedback.

NO   OK

Maintenance Advice for Educators

INSTALLATION AND TROUBLESHOOTING FOR A REDCAT POINT TO PAIR

Redcat
POINT·TO·PAIR·))

The Redcat Point to Pair speaker / amplifier with power supply, needs to be located, together with the Flexmike and Sharemike.

PLEASE TAKE NOTE OF THE MODEL LOGO
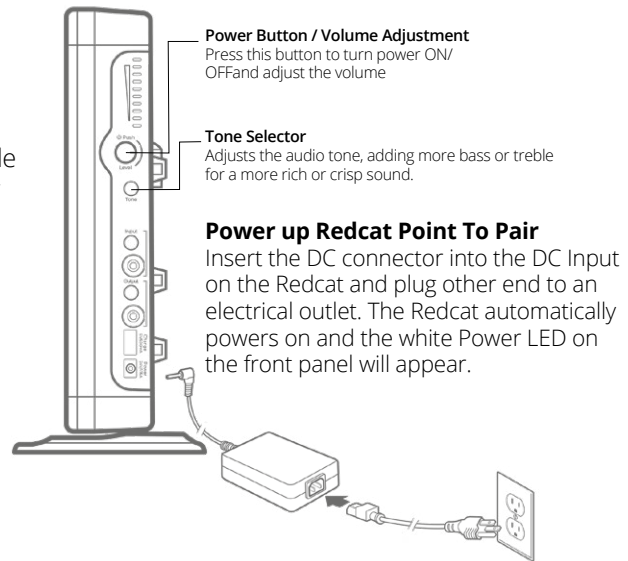
Redcat (RCN) Post 2022

Flexmike (Post 2022)   Sharemike (Post 2022)

THE FLEXMIKE AND THE SHAREMIKE ABOVE ARE ONLY COMPATIBLE WITH REDCAT POINT TO PAIR.

HOW TO POWER UP REDCAT POINT TO PAIR:

Make sure the Redcat Point To Pair is connected properly to power. Obviously, this means the power cable is plugged fully into a functioning power point, the power cable is firmly pressed into the transformer, and connected to the Redcat properly.
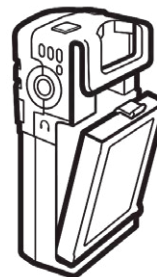
HOW TO ASSESS THE MIKES:

Both Flexmikes and Sharemikes that come with Point To Pair technology share the same lithium polymer battery packs (#L3.7V). Replacement batteries can be sourced here. **hearandlearn.com.au/products**. There will need to be a battery in the Flexmikes or Sharemikes to work.

Power Button / Volume Adjustment
Press this button to turn power ON/OFFand adjust the volume

Tone Selector
Adjusts the audio tone, adding more bass or treble for a more rich or crisp sound.

Power up Redcat Point To Pair
Insert the DC connector into the DC Input on the Redcat and plug other end to an electrical outlet. The Redcat automatically powers on and the white Power LED on the front panel will appear.

Your complete system is shipped pre-paired for quick and easy use. For any reason, you need to pair new components, please refer to Page 9 for instructions.
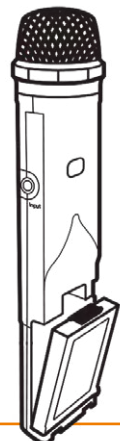
Sharemike   Flexmike   Battery part (#L3.7V)

REPLACING BATTERIES IN FLEXMIKE & SHAREMIKE
(Battery part #L3.7V)

FLEXMIKE
1. Push down on the latch and carefully pull the battery pack away from the Flexmike.
2. Insert new battery pack as shown and make sure the latch is secure.
3. Place the Flexmike in a cradle charger to charge the battery pack.

SHAREMIKE
1. Push down on the latch and carefully pull the battery pack away from the Sharemike.
2. Insert new battery pack as shown and make sure the latch is secure.
3. Place the Flexmike in a cradle charger to charge the battery pack.
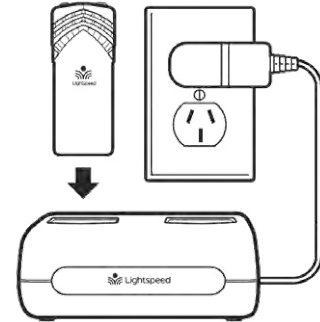
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Maintenance Advice for Educators

INSTALLATION AND TROUBLESHOOTING FOR POINT TO PAIR FLEXMIKE AND SHAREMIKE

Redcat POINT·TO·PAIR·))

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat (RCN) Post 2022

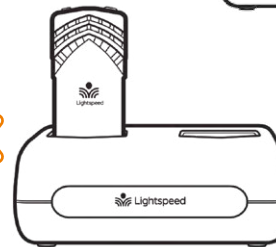**Connect cradle charger**
Plug power cord into the cradle charger and then plug into a power point.

CHARGING THE FLEXMIKE

Before use, the Flexmike should be charged It will take **5-6 hours** for the Flexmike to obtain a full charge. A fully charged Flexmike will last for up to **8 hours** of use.

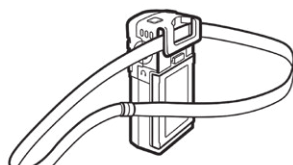If microphones are used daily, they **must** be charged overnight.

Charging the Flexmike
Place the microphone/s into the cradle charger. The power status light will glow red when it is charging. When charging is complete, the power status light will glow green.

DAILY USE OF THE FLEXMIKE

Remove the Flexmike from the charger and put it on by connecting the magnetic clasps behind your neck. Adjust the lanyard so that the top of the Flexmike aligns with the collarbone.

Hang the Flexmike on the lanyard opposite the magnetic clasp.

Align with collarbone

The Flexmike will automatically power on and mute when it is removed from the charger.

The microphone volume on the Flexmike is set at the factory to the midpoint. It is adjusted by the UP/DOWN buttons on the side of the Flexmike.

While speaking in a normal voice, fine tune the microphone volume. Proper volume level should be as follows:

- Your voice should be clearly heard by another person on the other side of the room.
- You should barely be able to hear your own voice.
- There should not be any audio "feedback" or squealing outside of 60-90cm (if so, turn the volume down).
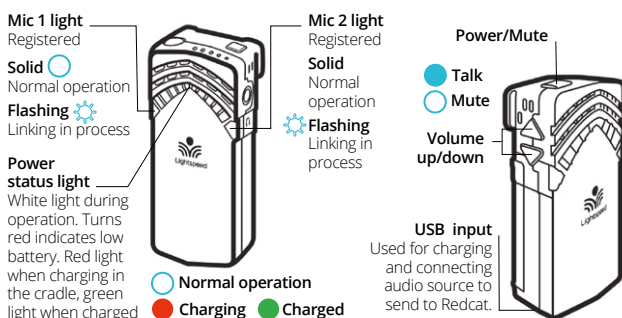
To turn off Flexmike, press and hold the power button. To turn back on, press and hold tuntil the power status light turns white.

Private conversations
To mute the Flexmike during private conversations momentarily press the power button. When muted, the blue light turns white. To unmute the Flexmike momentarily press the power button again.

At the end of the day
Place the Flexmike into the cradle charger and make sure the power supply is plugged in to an electrical outlet. The Flexmike will stay powered on during charging, but will automatically be muted.

Mic 1 light
Registered
Solid ○
Normal operation
Flashing
Linking in process

Power status light
White light during operation. Turns red indicates low battery. Red light when charging in the cradle, green light when charged

○ **Normal operation**
● **Charging** ● **Charged**

Mic 2 light
Registered
Solid
Normal operation
Flashing
Linking in process

Power/Mute
● **Talk**
○ **Mute**

Volume up/down

USB input
Used for charging and connecting audio source to send to Redcat.

REMEMBER:
Speak in a conversational tone. Having the volume set too high will result in feedback and listener fatigue.

Once the volume level is set, walk around the room and listen for overall audio quality. If further fine tuning is required, you may need to adjust the Tone control on the side of the Redcat (See page 6).
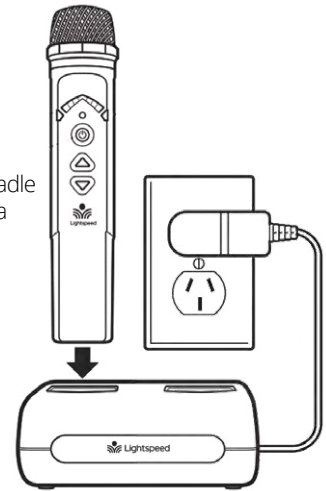
Maintenance Advice for Educators

INSTALLATION AND TROUBLESHOOTING FOR POINT TO PAIR FLEXMIKE AND SHAREMIKE

Redcat *POINT·TO·PAIR·))*

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat (RCN) Post 2022

Connect cradle charger
Plug power cord into the cradle charger and then plug into a power point.

CHARGING THE SHAREMIKE

Before use, the Sharemike should be charged. It will take 5-**6 hours** for the Sharemike to obtain a full charge. A fully charged Sharemike will last for up to **8 hours** of use.

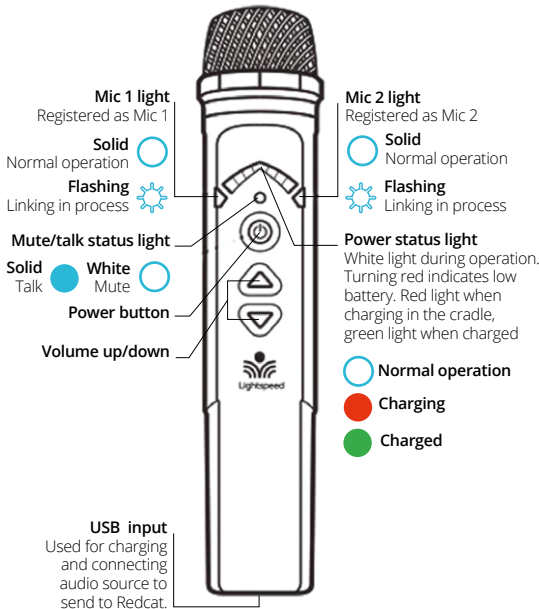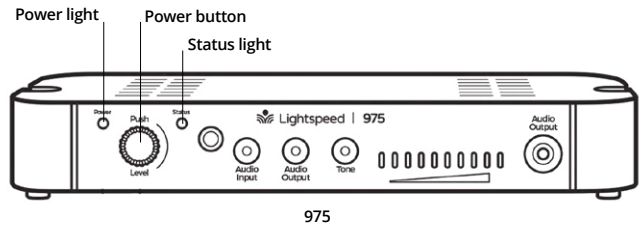If microphones are used daily, they **must** be charged overnight.

Charge Sharemike
Place microphone/s into the cradle charger. The power status light will glow red when it is charging. When charging is complete, the power status light will glow green. Sharemike and Flexmike can be charged together.

DAILY USE OF THE SHAREMIKE

At the start of the day, remove the Sharemike from the cradle charger. Ensure the 975 is on. The white power light on the front of the 975 will glow.

Power light   Power button   Status light

Lightspeed | 975

Push   Level   Audio Input   Audio Output   Tone   Audio Output

975

Mic 1 light
Registered as Mic 1
Solid Normal operation
Flashing Linking in process

Mic 2 light
Registered as Mic 2
Solid Normal operation
Flashing Linking in process

Mute/talk status light
Solid Talk   **White** Mute

Power button

Volume up/down

Power status light
White light during operation. Turning red indicates low battery. Red light when charging in the cradle, green light when charged

○ **Normal operation**
● **Charging**
● **Charged**

USB input
Used for charging and connecting audio source to send to Redcat.

Grip the barrel of the Sharemike in the center section.

Turn on the Sharemike by pressing and holding the power button until the LED lights.

Grip the Sharemike barrel in the center section.

While speaking in a normal voice, increase the volume with the Sharemike until your voice is barely audible.

REMEMBER:
This equipment is designed to supplement and distribute the user's voice so they are able to speak in a conversational tone. Having the volume set too high will result in feedback and listener fatigue.
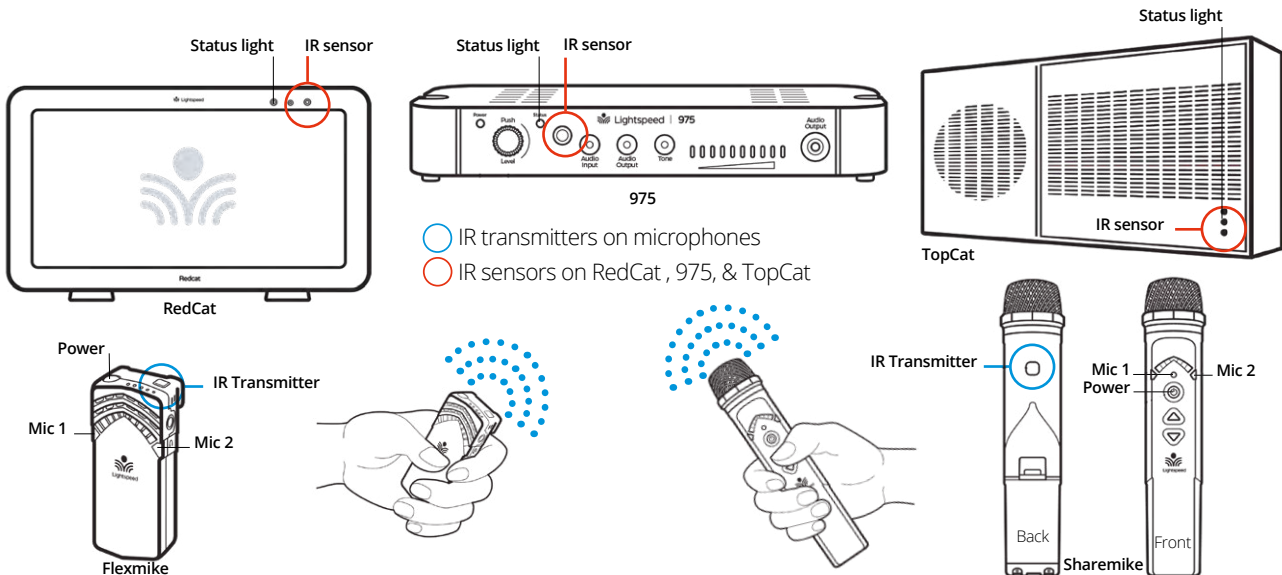
Maintenance Advice for Educators

INSTALLATION AND TROUBLESHOOTING FOR POINT TO PAIR FLEXMIKE AND SHAREMIKE

Redcat
POINT·TO·PAIR·)

PLEASE TAKE NOTE OF THE MODEL LOGO

Redcat (RCN)
Post 2022

Pairing your Flexmike or Sharemike microphone To 975, Redcat Or Topcat

Status light   IR sensor

RedCat

Status light   IR sensor

975

Status light

IR sensor

TopCat

○ IR transmitters on microphones
○ IR sensors on RedCat , 975, & TopCat

Power
IR Transmitter
Mic 1
Mic 2

Flexmike

IR Transmitter

Mic 1
Power
Mic 2

Back   Front
Sharemike

From a powered off state, point the IR transmitter lens toward the IR sensor (marked with red rings on illustrations below) on the 975, RedCat or TopCat (for Sharemike, the transmitter lens is located on the back of the microphone).
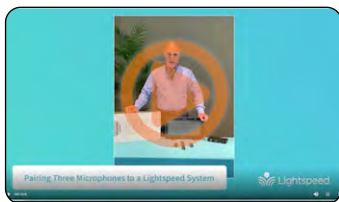
Your complete system is shipped pre-paired for quick and easy use. For any reason, you need to pair new components, please refer to the step-by-step video below..

Press and hold the power button for 5 seconds until the Mic 1 and Mic 2 lights start flashing, then release the button and let the pairing process finish.

The "status" light on 975, RedCat and TopCat will light up indicating the pairing process is complete.

The Mic 1 or Mic 2 light on the microphone will stay illuminated.

PAIRING THREE MICROPHONES HELP VIDEO

Click on the image or scan the QR code
to watch the help video

hearandlearn.com.au/wp-content/uploads/2022/05/Pairing-Three-Microphones-to-a-Lightspeed-System-1.mp4

NEED FURTHER HELP?....

For further information or help email us at info@hearandlearn.com.au or scan the QR code. Leave your mobile number and we will call you back to walk and talk you through your particular issue.

Thanks!
Hear and Learn Help Team

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