

# Micro Chat

## Introduction



Use the **radio** to send and receive messages with other micro:bit.

## Set a radio group

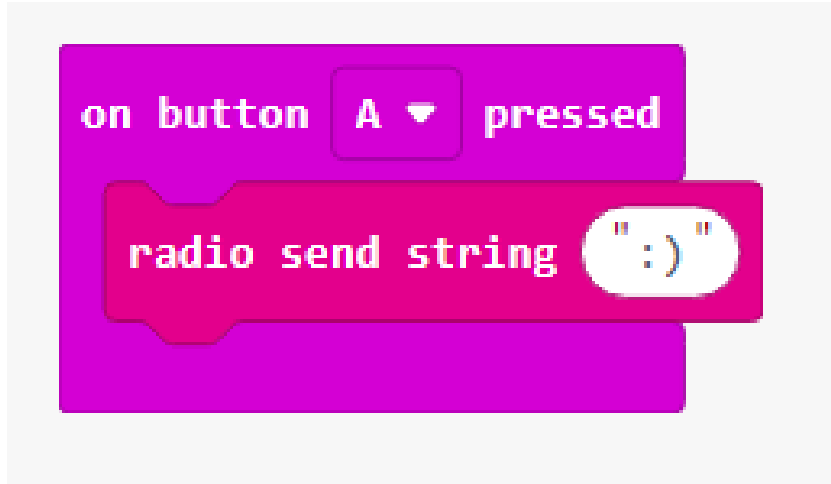
The first thing you want to do is to put in a **set group**. This will make certain that you and another micro:bit will receive just the messages assigned to that group and not the messages sent from some other micro:bit that's not part of your conversation. This like tuning to a particular channel to talk on.

on start

radio set group 1

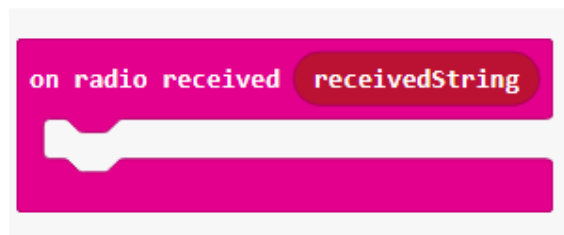
## Sending a message

Use `on button pressed` to send a text message over radio with `send string`. Every micro:bit nearby will receive this message.



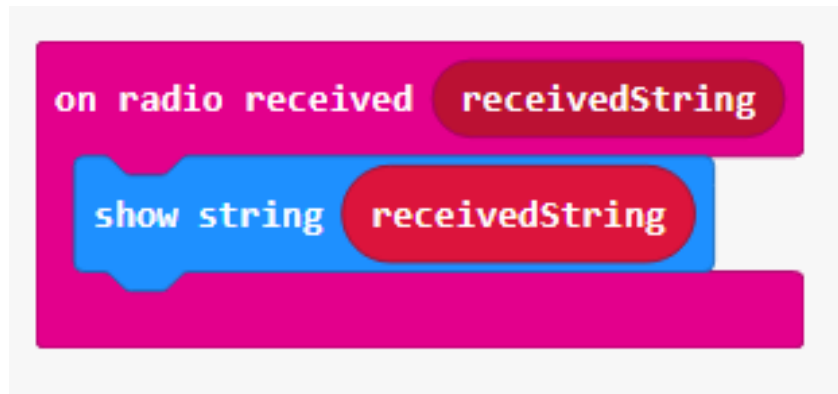
## Receiving a message

Add a `on received string` block to run when a message is received



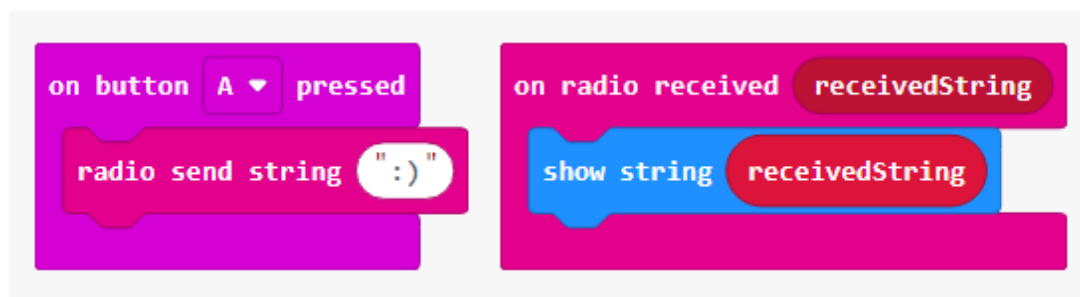
## Displaying text

Add a `show string` to display the string on the screen. Pull the `receivedString` out of `on received string` and put it into `show string`.



## Testing in the simulator

Press button **A** on the simulator, you will notice that a second micro:bit appears (if your screen is too small, the simulator might decide not to show it). Try pressing **A** again and notice that the “:)” message gets displayed on the other micro:bit.



## Try it for real

If you have two micro:bits, download the program to each one. Press button **A** on one and see if the other gets a message.