Text

Description automatically generated with low confidence

**Radio**

https://makecode.microbit.org

The micro:bit can communicate with other micro:bits with its built-in radio module which supports Bluetooth Low Energy (BLE). Anything you send from one micro:bit can be received by any other micro:bits nearby.

Graphical user interface, text, application, chat or text message

Description automatically generatedThe micro:bits communicate within a group. This is like the channel on a walkie-talkie.

Use **Radio set group**, to set the group to 1.

This only has to be done once , at the start.

Graphical user interface, text, application, chat or text message

Description automatically generatedWe will use the buttons to send messages.

These messages are strings (of characters).

**Radio** includes send and receive blocks.

A picture containing diagram

Description automatically generatedSend the string “A” when you press button A.

Send the string “B” when you press button B.

We can run code when a message is received.

The string value received is placed in a variable, **receivedString**.

Graphical user interface, application

Description automatically generated

Add an if/else/if to see which value was received.

Add logic conditions to test for equality (=).

Drag **receivedString** from the top line into the left-hand side of each condition.

Open **Advanced** and drag the empty string (“”) from Text. Edit this to “A” or “B”.

We can indicate which message was received by showing a suitable icon.

*Notice that you don’t receive messages sent from your own micro:bit.*