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 generated

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

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

This need only be done once, at the start.

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

   Description automatically generatedUse 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” on pressing button A.
* Send the string “B” on pressing button B.

1. Run code when a message is received.

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

Graphical user interface, application

Description automatically generated

1. Add an if/else/if to check received value.
2. Add logic conditions to test equality (=).
3. Drag **receivedString** from the top line into the left-hand side of each condition.
4. Open **Advanced** and drag the empty string (“”) from Text. Edit this to “A” or “B”.
5. Indicate which message was received by showing a suitable icon.

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