

# SAVING SWIFTS: MAKING A SWIFT CALLER



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## Ordering parts

Below is a table of all the parts you will need for the swiftbox:

Component	Available from	Supplier link	Price
Timer (65719)	Toolstation	<a href="#">Timer</a>	£4.99
Junction Box (2 needed per swift box) 30645	Toolstation	<a href="#">Junction box</a>	£2.98 (1.49 each)
USB-A to Micro USB Charging Cable (3 pack)	Amazon	<a href="#">Cable</a>	£7.70
MicroSD Cards	Argos	<a href="#">SD card</a>	£6.99
MP3 player	Ebay	<a href="#">MP3 Player</a>	£1.19
Speaker 2W 50 ohm	CPC	<a href="#">Speaker</a>	£2.29
USB charger Plug x4	Amazon	<a href="#">Plug</a>	£11.99 (2.99 each)
Speaker cable (5m, total cost 5.39 for 25m)	Screwfix	<a href="#">Cable</a>	£5.39
Total			43.52

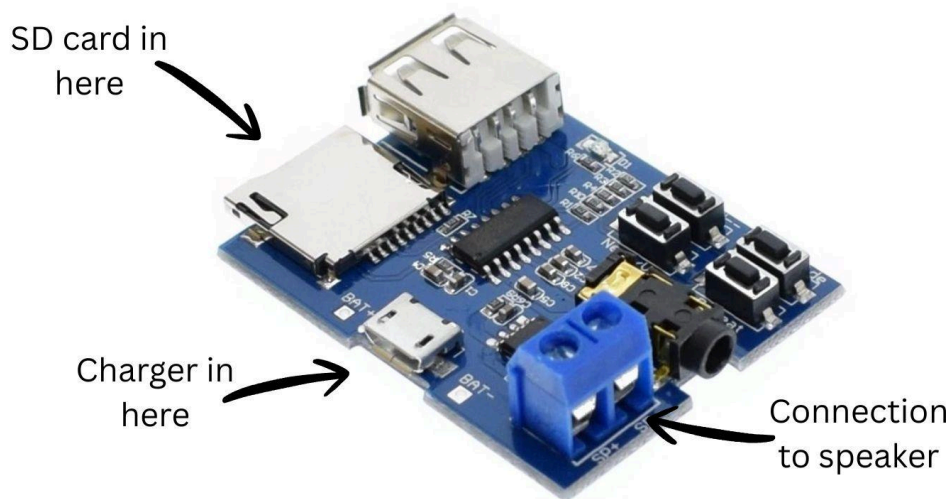
Despite the price for one being £43.52, this averages out to £26.80 when re-using the multipacks.

# Making a Swiftbox

## What you will need:

- A small phillips head screwdriver
- Scissors
- Patience

Get your MP3 player in front of you. The different areas you will be using are highlighted below



## Charging the box

First, the easy steps. You can plug in the cable to the charger head to make a full charger. The other end of the cable will fit into the MP3 player.

## Adding the sound

Next, take your SD card. You will need to add the swift call onto this. We have used the following swift calls: [Our Swift calls](#). However you can use any you find.

Download these calls onto a device that will take a memory card (your phone or laptop). Insert the Micro SD in and move the downloaded swift call onto the memory card. If there are lots of places to put it, go for 'music' or 'audio'. Once placed on the SD card, take this out and place it into the slot on the MP3 player.

### **Connecting the speaker**

Finally, to connect the speaker. This is the fiddliest part, you will want to first work out the length of wire you need between your plug and where the swift box will be. Cut the wire to this length.

The speaker you have ordered will have a connector already, looking like the following.



The speaker wires are black and red and already placed in the connector, you will need to strip the wires and simply push the correct wire so it connects to the right colour through the connector.

To strip a wire, you will need to grab some small scissors and gently slice the outside plastic of the wire. You will want to do this so only the plastic is cut. This does not have to be perfect, the end result should look like the following:



Do the same to the other side of the wire to insert it into the MP3 player in the section below



To insert the wire you'll need that small screwdriver. In that blue section are two screws. To fit the wires in you will need to unscrew them till you can push the wire in and then rescrew them over the wire so they stick.

### Putting it all together

That's all you will need! Now to put it all together. Place the speaker in one junction box and the MP3 player in another to protect them from the elements. Put up the junction box with the

speaker wherever you want it. Plug the MP3 player into the timer and then plug it into a socket in your home. You'll hear the swifts!

This will replay the swifts over and over so you will want to use the timer to set these times.

## Swift timer info

### Time settings:

- Set the timer to 6:30 - 8:30 and 19:00 - 21:30

### Playing period:

#### Option 1:

- 1st week of May until mid August

#### Option 2:

- 1st week of May until mid June and then mid July until mid August

#### Option 3:

- 3rd week of May (prospecting non-breeders arrive) until second week of June