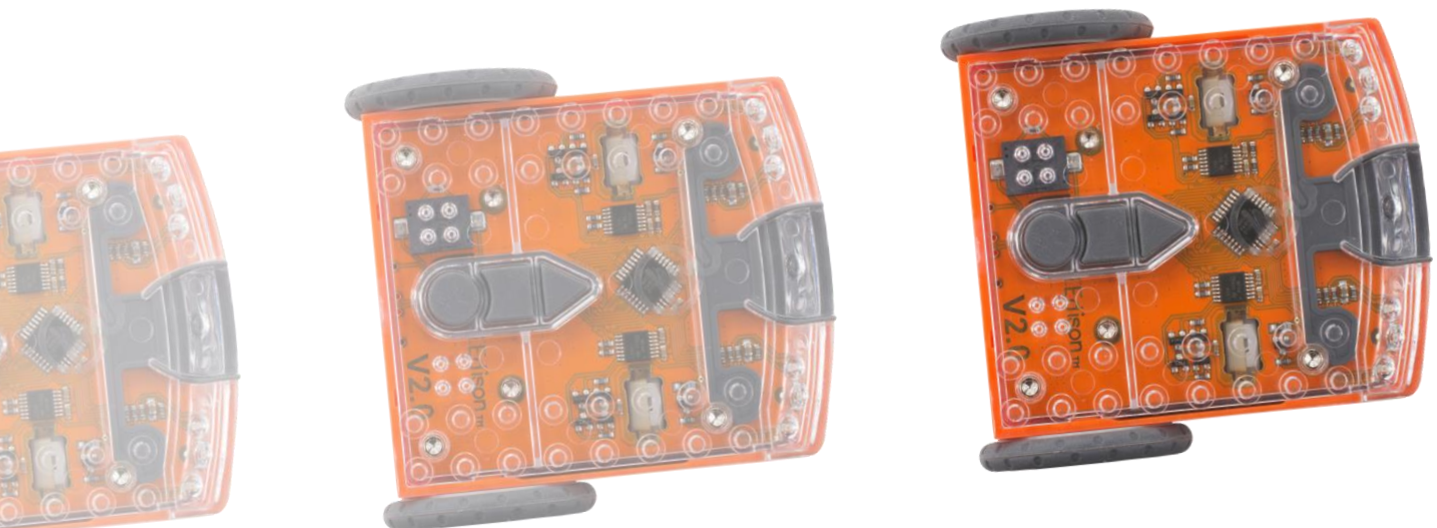




## EdBlocks easy reference guide



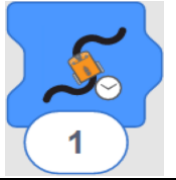
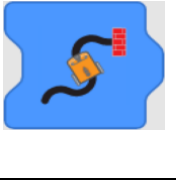
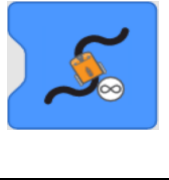
# 1. Drive commands

		Direction			
		Forward	Backwards	Left	Right
Action	Drive				
	Drive for <TIME> seconds				

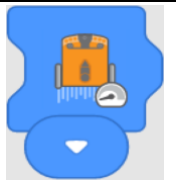
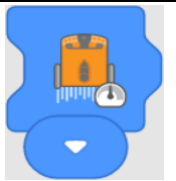
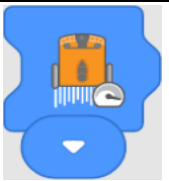
Conditional drive commands...

		Direction			
		Drive forward	Drive backwards	Turn left	Turn right
Condition	While light is on left side				
	While light is on right side				
	While on white surface				
	While on black surface				

*Follow a line...*

		Duration		
		For <TIME> seconds	Until an obstacle is detected	Forever
Follow line				







*Set drive speed...*

		Speed		
		Slow	Normal	Fast
Set drive speed				

*Stop driving...*

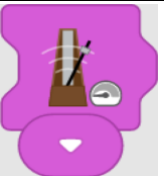
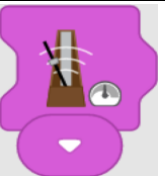



## 2. Lights

		Direction		
		Both LEDs	Right LED	Left LED
Action	LEDs ON			
	LEDs OFF			

## 3. Music

*Set music tempo...*

		Speed		
		Slow	Normal	Fast
Set music tempo				




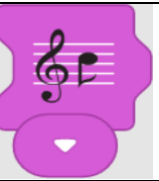



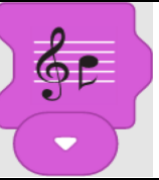



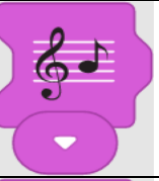



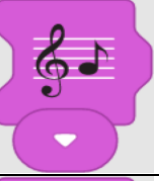



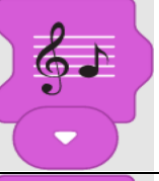


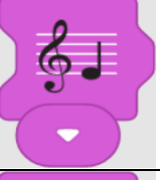

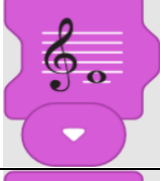
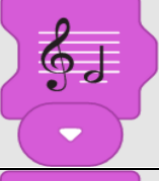
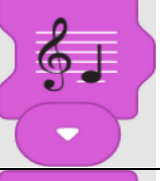
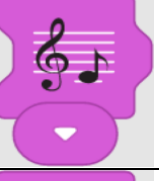
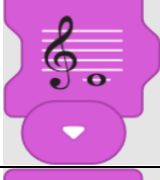

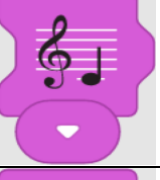
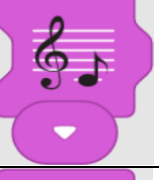
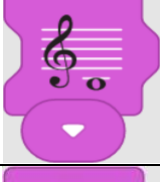
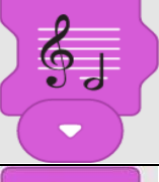
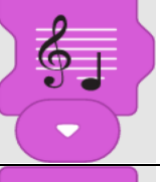
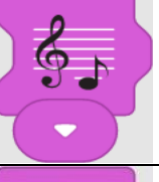


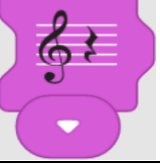

*Beep...*



*Play the next note sharp...*







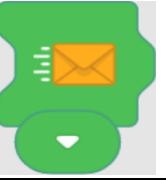
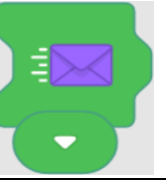
# Duration

	Whole note	Half note	Quarter note	Eighth note
C				
B				
A				
G				
F				
E				
D				
Middle C				
Low B				
<i>Rest</i>				

Note






#### 4. Send message...

Message colour






	Blue	Pink	Green	Violet	Orange	Indigo
Send message						

#### 5. Wait until...






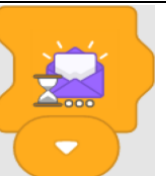
Condition

	Wait for <TIME> seconds	1 clap is detected	2 claps are detected	Round button is pushed	Triangle button is pushed
Wait until					

Condition






	Light is on left side	Light is on right side	White surface is detected	Black surface is detected	Obstacle is detected
Wait until					

Condition

	Blue message received	Pink message received	Green message received	Violet message received	Orange message received	Indigo message received
Wait until						

## 6. Loops...

### Condition





	Loop forever	Loop <NUMBER> of times	Loop until round button pressed	Loop until triangle button pressed	Loop until an obstacle is detected
Condition					

End program...







## 7. Start when...







### Start when...

	1 clap is detected	2 claps are detected	Round button is pushed	Triangle button is pushed
Condition				

### Start when...

	White surface is detected	Black surface is detected	An obstacle is detected	Program start
Condition				

### Start when...

	<b>Blue</b> message received	<b>Pink</b> message received	<b>Green</b> message received	<b>Violet</b> message received	<b>Orange</b> message received	<b>Indigo</b> message received
Condition						

### Start when...

	<b>Remote 1</b> command is received	<b>Remote 2</b> command is received	<b>Remote 3</b> command is received	<b>Remote 4</b> command is received	<b>Remote 5</b> command is received	<b>Remote 6</b> command is received
Condition	