

2 Instructions

Start here

1 Try this quiz. Choose the correct answer.

km/h = kilometres per hour
(used by most countries)
mph = miles per hour (used in some countries, including the US and UK)
m/s = metres per second
rpm = revolutions per minute;
1 revolution = 1 rotation of 360°

What are the speeds?

- 1 Rotation of a fast CD-ROM?
a) 98,000 rpm b) 9800 rpm
- 2 The speed of sound?
a) 746 km/h (464 mph) b) 1200 km/h (746 mph)
- 3 The maximum speed on land?
a) 1228 km/h (763 mph) b) 1228 mph (1976 km/h)
- 4 The maximum speed on water?
a) 154 m/s b) 154 mph c) 154 km/s
- 5 The rotation of the Earth?
a) 1000 mph (1609 km/h) b) 1000 km/h (621 mph)
- 6 The Earth moving around the Sun?
a) 67,000 mph (107,825 km/h) b) 67,000 km/h (41,631 mph)

Listening

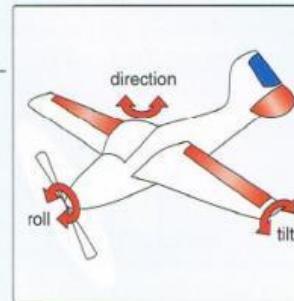
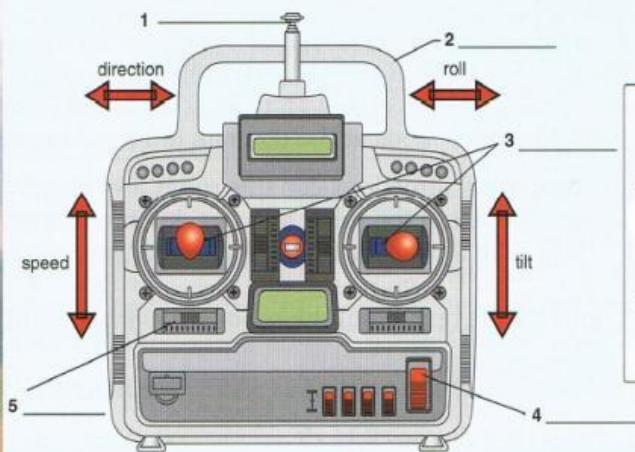
2  27 Listen and check your answers to 1.

3 Work in pairs. Write down some speeds. Dictate them to your partner.

Vocabulary

4 Label the diagram with the words in the box.

antenna handle joysticks slider switch



Task

5 Work in groups. What do you think the plane does when you move these controls?

Look at the joystick on the left.

- 1 Push it up (away from you). Pull it down (towards you). What happens?
- 2 Push it to the left. Push it to the right. Now what happens?

Look at the joystick on the right.

- 3 Push it up. Pull it down. What happens?
- 4 Push it to the left. Push it to the right. Now what happens?

Reading 6 Read the manual. Check your answers to 4 and 5.

Remote control transmitter for model plane

User manual

Look at the diagram of the transmitter. There are two joysticks. One is on the left. This is the left-hand (LH) stick. The other is on the right. This is the right-hand (RH) stick.

Now look at the LH joystick. This controls the speed and the direction of the plane. Push the LH stick up (away from you) and the plane accelerates. Pull it down (towards you) and the plane slows down. Slide the stick to the left and the plane turns left. Slide it to the right and it turns right.

Now look at the RH joystick. This controls the roll and the tilt of the plane. Push the RH stick up (away from you) and the plane descends (or goes down). Pull it down (towards you) and the plane ascends (or goes up). Slide the stick to the left and the plane rolls to the left. Slide it to the right and it rolls to the right.

7 Which words in the text do these pronouns refer to?

1 it (line 4) a) direction b) plane c) LH stick
2 it (line 5) a) plane b) LH stick c) right

8 Match your actions with the plane's actions.

Your action

1 Move the LH stick up.
2 Pull the LH stick down.
3 Move the LH stick to the left.
4 Move the LH stick to the right.
5 Move the RH stick up.
6 Pull the RH stick down.
7 Move the RH stick to the left.
8 Move the RH stick to the right.

The plane's action

a) The plane goes to the left.
b) The plane goes faster.
c) The plane goes down.
d) The plane goes more slowly.
e) The plane rolls to the left.
f) The plane goes up.
g) The plane rolls to the right.
h) The plane moves to the right.

ascend ≠ descend

Speaking

9 Work in pairs. Make dialogues with the information from the table in 8.

A: *Can the plane fly to the left?*

B: *Yes, it can. You move the left-hand stick to the left.*

Social English

10 Work in pairs. Find out what your partner can and can't do.

A: *Can you swim?*

A: *Yes, I can. Can you sail a boat?*

B: *Yes, I can. Can you?*

B: *No, I can't.*

