

Robot English

Forward and Back Commands

step/move/drive forward/backward (quickly/slowly)
freeze

Turn Commands

turn/rotate/spin left/right (quickly/slowly)

Gripper Commands

raise/lower the gripper/hand (quickly/slowly)
open/close the gripper/hand
grab/release the X

Sounds

bleep/bloop/ching/chong/bing/bong/plink/plunk
tweet/squawk/cluck/warble/crash/thump/toot/honk
pause

Object Properties Identified by Vision

red/orange/yellow/green/blue/purple/black/gray/white
big/small/wide/narrow

Reactions Based on Vision

If you see X, then Y
(If you see a wide red thing, then spin clockwise)
If you see X, then say Y
(If you see a bear, then say get me out of here)

Use “and also” to perform in parallel:

Step forward quickly and also beep, Robby

Use “then” to perform as a sequence:

Please turn left then honk

Use “to” for naming multiple actions

To X, Y then Z

(To cha-cha, step forward quickly then step backward quickly)

To X, Y and Z then W and V

(To slide, drive forward and toot then move backward and honk)

Example Dialog

To dance, raise the gripper then spin left

To sing, bleep then bloop

Dance and sing

Elaborate Reaction

To waltz, turn left turn right then turn left

To tango, turn right step forward step backward then turn left

To swing, step forward turn right turn left then step backward

To riff, thump thump thump then crash

To dance, waltz and riff then tango and riff then swing and riff

If you see a yellow thing dance