instruction manual

introduction

Thank you for purchasing the Tux Droid programming kit. Your computing experience will never be the same again! Tux Droid will animate your desktop environment and challenge your programming skills in an entertaining and cuddly way!
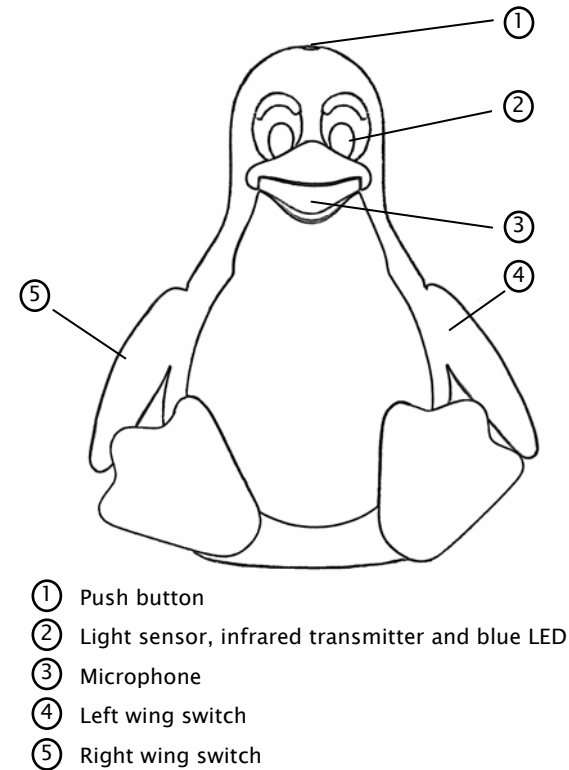
Please read this instruction booklet carefully before getting started.
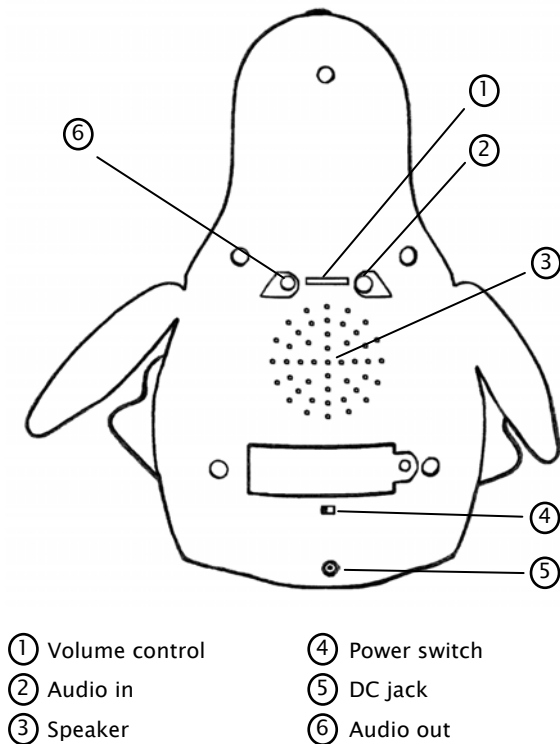
product content

Your package should contain the following:

- Tux Droid robot with installed rechargeable
  batteries
- USB Fish dongle
- USB cable
- Programming cable
- Transformer
- Remote control

tux droid diagram - front view

① Push button
② Light sensor, infrared transmitter and blue LED
③ Microphone
④ Left wing switch
⑤ Right wing switch

tux droid diagram - back view

①	Volume control	④	Power switch
②	Audio in	⑤	DC jack
③	Speaker	⑥	Audio out

system requirements

In order to install Tux Droid and to be able to use the full range of functions, the following requirements must be met:

- A 100% Linux® compatible PC or laptop
- Linux® kernel 2.4 or later
- A 800Mhz CPU or faster
- 256MB RAM or higher
- 15MB hard disk space
- An available USB port (1.1 or 2.0)
- An internet connection

recharging the batteries

Tux Droid comes with a pre-installed battery pack. For optimal battery performance, we recommended to fully recharge when charging for the first time. Make sure the power switch is set in the "on" position to enable the recharging function. The LEDS in the eyes will flash 2 times when Tux Droid starts to recharge.

The recharging time from flat to completely full batteries takes about 5 hours.

⚠ safety instructions

- Always follow the instructions carefully.
- Only use the transformer provided with the product.
- The included rechargeable battery pack cannot be replaced with other batteries of any kind.
- Do not throw the battery pack into fire.
- Rechargeable batteries are only to be recharged under adult supervision.
- Should this product cause, or be affected by local electrical interference, move it away from other electrical equipment. Reset (switching off and back on again) if necessary.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

transformer powered operation

Tux Droid can be directly powered with the transformer too. The setting of the power switch is of no importance, as it only cuts the battery circuit.

Please note: as long as the transformer is connected, the rotating function is disabled by firmware for safety.
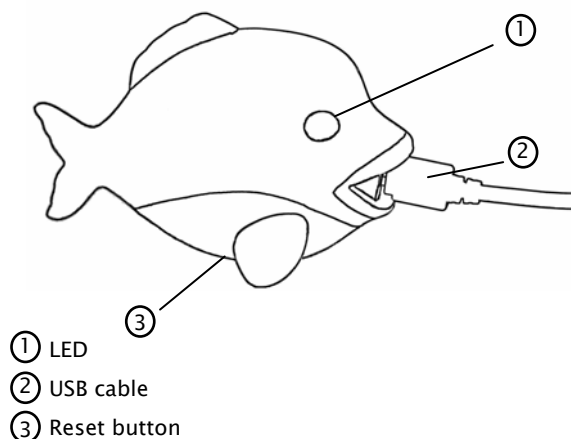
software installation

A detailed software installation guide and Linux® drivers are available for download from our website. Please visit www.tuxisalive.com.

Test programs and demo applications are also provided at the same web location.

usb fish dongle

① LED
② USB cable
③ Reset button

When connecting the USB module with your PC, the LED in the module will start to flicker.
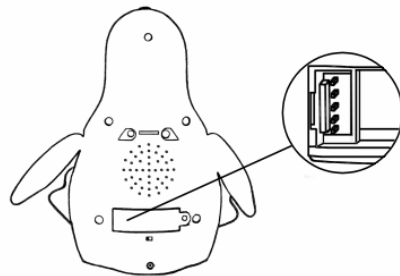
– Flickering rapidly: The radio connection is working.

– Slow flickering with regular intervals: Tux Droid is not detected. In this case, make sure you have switched on Tux Droid and the batteries are not flat.
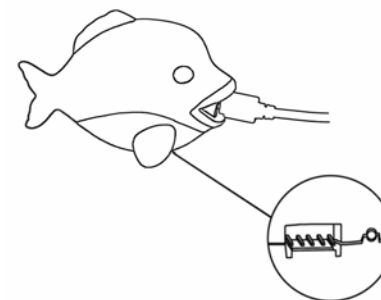
onboard programming

This step is not a requirement for the general use of Tux Droid as it is already programmed.

However, in case a modification of the onboard code is desired or for any firmware upgrades, the reprogramming mode can be enabled by following the procedure below:
- Download and install the updater tool from www.tuxisalive.com
- Unplug the USB dongle from your PC.
- Turn the power switch on Tux Droid into the "off" position and unplug the transformer power cable if it is connected. Remove also any audio cables (line–in or headphones) if connected.
- Unscrew Tux Droid's battery door to access the programming socket (see picture).

- Keep the head button pushed while switching Tux Droid back on to enter the programming mode. When in this mode, the left eye LED will turn on.
- Plug the USB dongle back in the USB port of your PC. The dongle LED will flicker slowly.
- Plug the provided programming cable into the programming socket in Tux Droid's battery compartment (see above picture).
- Connect the other end of the programming cable with the programming socket found on the belly of the USB dongle (see picture on the next page).

- Your Tux Droid is now ready for reprogramming. From here please follow the updater instructions from our website.

detachable wings

The wings can be removed or reattached with a simple click-in system. This protection avoids possible damage to the wing mechanics when the product falls down or during transportation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is not guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

· Reorient or relocate the receiving antenna.
· Increase the separation between the equipment and the receiver.
· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
· Consult the dealer or an experienced radio/TV technician for help.

– This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.