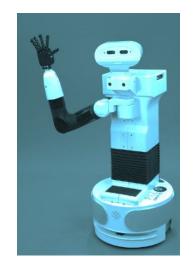




Introduction





Playing text-to-speech in terminal

Tiago has an action server API to say written text. It is on the /tts action name of type pal_interaction_msgs/Tts

```
rostopic pub /tts/goal pal interaction msgs/TtsActionGoal "header:
 seq: 0
 stamp:
        secs: 0
       nsecs: 0
 frame id: "
goal id:
 stamp:
        secs: 0
       nsecs: 0
 id: "
goal:
 text: {}
 rawtext:
       text: 'Hello world'
       lang id: 'en_GB'
 speakerName: "
 wait before speaking: 0.0"
```



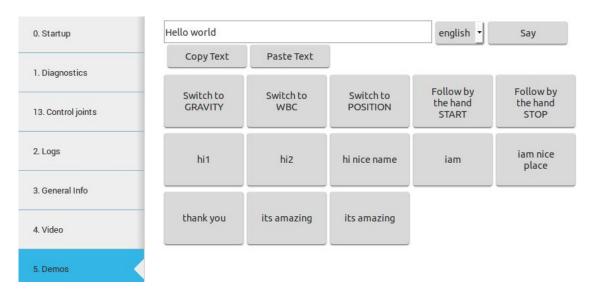
Playing text-to-speech with Python

```
#!/usr/bin/env python
import sys
import rospy
from actionlib import SimpleActionClient
from pal interaction msgs.msg import TtsAction, TtsGoal
if name == ' main ':
 rospy.init node('say something')
 if len(sys.argv) > 1:
  text = ""
  for arg in sys.argv[1:]:
   text += arg + " "
 else:
  text = "I like talking to people"
 rospy.loginfo("I'll say: " + text)
 # Connect to the text-to-speech action server
 client = SimpleActionClient('/tts', TtsAction)
 client.wait for server()
 # Create a goal to say our sentence
 goal = TtsGoal()
 goal.rawtext.text = text
 goal.rawtext.lang id = "en GB"
 # Send the goal and wait
 client.send goal and wait(goal)
```



Playing text-to-speech from web

- Access tiago's web interface http://tiago-0c:8080
- Go to the 5. Demos tab, type any text on the upper input box and press say.





Playing text-to-speech from web (II)

Edit voice buttons

ssh pal@tiago-0c cd .pal/wt vi wt_tiago_section.yaml You may add your own sentences or edit/remove existing ones

```
parameters:
```



ALLIN-C I.V.

Additional languages and voices

- TIAGo uses Acapela's voice synthesis software
- Additional languages and voices
 can be ordered and integrated
 into TIAGo:
 http://www.acapela-group.com/voices/demo/







Questions?

