

IPA robot and ipa-apartment manual

**Manual for  
working in the IPA environments**

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# Chapter 1

## IPA apartment rules

You can always get the latest version of this manual at <sup>1</sup>.

If you have comments, suggestions or would like to add something to the manual, please contact [fmw@ipa.fhg.de](mailto:fmw@ipa.fhg.de).

### 1.1 robot side

#### 1.1.1 Working on pool pcs

Rules:

- Don't remove any cable
- Don't shut down the pcs
- Logout your user
- Turn off the monitors

If you need a new installation of packages or software in the pcs please contact with [nhg@ipa.fhg.de](mailto:nhg@ipa.fhg.de) or [fmw@ipa.fhg.de](mailto:fmw@ipa.fhg.de).

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<sup>1</sup>[https://github.com/ipa320/setup/blob/master/manual/IPA\\_manual.pdf](https://github.com/ipa320/setup/blob/master/manual/IPA_manual.pdf)

### **1.1.2 Connect your own pc**

Use plugs for network and power on the tables (never plug or unplug something under the tables). If you need you can find cables in cabinet nr 3 (see floor plan ADD REFERENCE), after use, leave it in the same place.

### **1.1.3 Leaving the room**

#### **1.1.3.1 Move furniture back**

Table, chairs, cupboards

ADD MAP for standard apartment layout

#### **1.1.3.2 Tidy up working places**

Remove everything from tables of cob-stud-6 to cob-stud-9. Unplug additional network and power cables and put back to cabinet.

#### **1.1.3.3 dasfa**

## **1.2 student side**

### **1.2.1 Leaving the room**

Before leave the room:

- Turn off your monitor
- Bring the cup to the kitchen (5th floor)

If nobody else is in the room:

- Turn off the lights
- Close the windows

## 1.3 Floor plan

ADD FLOOR PLAN for robot side and student side

# Chapter 2

## IPA robot rules

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If you have comments, suggestions or would like to add something to the manual, please contact [fmw@ipa.fhg.de](mailto:fmw@ipa.fhg.de).

### 2.1 cob3-3 and cob3-5

#### 2.1.1 Leaving the robot

##### 2.1.1.1 Mount all casings

Mont all casings: green and grey parts from base, head casing

##### 2.1.1.2 Move components in home position

Always leave the robot components in home position:

- Arm in "folder" position
- Torso in "home" position
- Tray in "down" position

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<sup>1</sup>[https://github.com/ipa320/setup/blob/master/manual/IPA\\_manual.pdf](https://github.com/ipa320/setup/blob/master/manual/IPA_manual.pdf)



- Hand in "home" position

ADD IMAGE

#### **2.1.1.3 Move robot to charging station**

leave next to charging station/coffee machine, "home" position for navigation.

ADD IMAGE

#### **2.1.1.4 Disconnect power**

Unplug the power cable and shut down the power supply

#### **2.1.1.5 Plug the Remote emergency Stop**

Put the Remote Emergency Stop in his base.

## **2.2 raw3-1**

### **2.2.1 leave the robot**

disconnect power