



## Notes to the RoboParty participants

### Material:

- The kit comes with all necessary parts for assembly;
- There are no spare parts available;
- We do not Exchange burnt or damaged parts;

### Basic Care:

- Soldering: Before soldering, read the Mini-Course on soldering, sticking strictly to the advices given;
- The soldering iron supplied in the kit has no support. You must take extra care not to burn the desk!
- Keep the working table always clean!
- Do not eat or drink on the working area!

### Awards:

#### a) Creativity:

The jury will take into account the following criteria:

- Robot aesthetic and decorative creativity and originality;
- The name given to the robot;

#### b) Construction

The jury will take into account the following criteria:

- The mechanical assembly quality;
- The manual soldering quality;
- The placement of components;

#### c) Competition

This prize will be awarded to the team with the best performance in the following 3 parts:

- **Dance competition;**  
Consists on the development of a robot choreography and its synchronization with the music chosen freely by the team.  
Time limit: 45s (1 trial);  
Mark: from 0 to 10 points;
- **Wall Proximity;**  
Consists of making the robot to move as close as possible towards an official wall, without touching that wall.  
Time limit: 10s (2 trials);  
Mark: minimum distance;
- **Obstacles;**  
Consists in performing a short path with two curves. The aim is to follow the path as quickly as possible without colliding with the walls. Each collision is penalized with 5s in time.  
Time limit: 20s (2 trials);  
Mark: given by the shorter time taken;  
The final mark is given by the average of the places obtained on these three competitions.

### Attention:

The robot battery has been previously charged. It is not necessarily to recharge it before the first usage. However, it is recommended to recharge it the day before the competitions for around about 8h, should it be necessary!

There are volunteers and SAR staff which can guide you all the way through the robot build up. In case of doubts, do not hesitate to ask for help. They are there to help you. Any mistake can damage definitely your kit!

**Good work and good luck!**