

## Arlo Complete Robot System (#725-28966)

Congratulations on your purchase of the Arlo Complete Robot System!

Please read all precautions on the reverse side before assembling or operating your Arlo Robot!

Then, inventory your Arlo Complete Robot System kit contents using the Bill of Materials below. If you are missing any parts, contact Parallax sales staff directly for assistance. Note that most of these items are sub-kits with parts not listed separately.

Some sub-kits have their own parts lists inside. If not, go to [www.parallax.com](http://www.parallax.com) and search for the part number. On the product's web page, click the Details tab for kit contents, and the Downloads tab to find the product guide.



Once you are done taking inventory, go online to <http://learn.parallax.com/arlo> for the step-by-step illustrated web tutorial for assembling your Arlo Complete Robot System.

Arlo Complete Robot System (Parts and quantities subject to change without notice)		
Part #	Qty	Description
28960	1	Arlo Base Kit
28961	2	Caster Wheel Kit
28962	1	Motor Mount & Wheel Kit – Aluminum
28965	1	Arlo Top Deck
28996	1	Arlo Power Distribution System
32912	1	Propeller Activity Board WX
570-28966	1	Hardware Pack for Arlo
700-00245	1	Arlo Battery Charger (2.1 mm plug)
700-10003	1	3M Safety Eyewear
700-10026	1	Multimeter
752-00007	2	Battery, 12 volt, 7.2 amp-hour, sealed lead acid
910-28015B	4	PING))) Ultrasonic Distance Sensor with Protector Stand
910-28231	1	DHB-10 Dual H-Bridge Motor Controller + Propeller Plug programming tool

**⚠ WARNING! READ ALL PRECAUTIONS ON THE REVERSE SIDE BEFORE ASSEMBLY OR OPERATION!**

- **WARNING: FINGER PINCH AND ENTRAPMENT HAZARD.** Keep hands away from Arlo Robot wheels whenever the battery is connected. Fingers may be pinched or trapped between moving tires and the robot base. NEVER put your fingers through the holes in the Arlo Robot wheels. Do not carry the Arlo Robot by its wheels when a power supply is connected.
- **WARNING: ENTANGLEMENT HAZARD.** Secure long hair and loose clothing or jewelry when building, testing, customizing, and operating your Arlo Robot to avoid entanglement with motors or wheels.
- **WARNING: EYE HAZARD.** Always wear eye protection when assembling, operating, customizing, or repairing your Arlo Robot.
- **WARNING: ELECTRIC SHOCK HAZARD.** Never handle the Arlo Robot Power Distribution Board or other electrical connections on the Arlo Robot while the battery is connected. It is your responsibility to ensure that all electrical parts are properly protected, isolated, and insulated.
- Only use the Arlo Battery Charger to recharge the sealed lead acid batteries included in your Arlo Complete Robot System.
- Do not use or store the Arlo Robot batteries below freezing, or in a hot environment such as a car in hot weather, under direct sunlight, or adjacent to a heat source. Exposure to heat may cause the batteries to overheat, leak, ignite, or burst.
- Inform yourself of and follow all current federal, state, and local laws applicable to your intended use of your Arlo Robot in the area where you plan to operate it.
- This kit is not for beginners. Intermediate to advanced mechanical skill is required for building an Arlo Robot. Follow the assembly and operating instructions carefully; incorrect assembly of, negligent use of, or lack of maintenance to your Arlo Robot could cause risk of catastrophic equipment failure, bodily injury to you or others, and property damage.
- Any change or modification you make to the Arlo Robot hardware or DHB-10 Motor Controller firmware is done so at solely your own risk.
- Store your Arlo Robot and all related items out of reach of children, pets, and those who do not know how to safely use them.
- Use caution when using your Arlo Robot in an area with people, unsecured pets, or livestock, which could be harmed by contact with rotating wheels or impact with the chassis.
- Only operate your Arlo Robot in an environment where you can maintain control and unobstructed visual contact with it. Do not operate at night, or where there are obstructions or conditions that could limit visibility.
- Keep your Arlo Robot dry! Do not submerge your Arlo Robot or operate it in rainy or damp conditions. If used outdoors, beware of puddles, sprinklers and wet vegetation. Immersing or wetting the batteries may cause corrosion, fire, or create an electrical shock hazard.

**DISCLAIMER OF LIABILITY: PARALLAX INC. IS NOT RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES AND PERSONAL INJURIES, INCLUDING THAT TO LIFE AND HEALTH, RESULTING FROM THE CUSTOMER'S APPLICATION AND USE OF ANY PARALLAX INC. PRODUCTS INCLUDING THE ARLO ROBOT. YOU, THE CUSTOMER, ASSUME FULL AND UNLIMITED RESPONSIBILITY FOR ALL OF YOUR ARLO ROBOT APPLICATIONS AND USES.**

#### **REVISION HISTORY**

Version 1.1: Arlo Battery Charger with 2.5 mm plug (#700-00240) has been replaced with the Arlo Smart Charger with 2.1 mm plug (#700-00245). Correspondingly, the power jack (J11) in the Arlo Power Distribution Board kit (#28996) has been changed from 2.5 mm to 2.1 mm for kits made beginning May 2016.