iRobot Third-Party Development is your resource for collaboration and support

**iRobot – The Robot Company**
iRobot is a global leader in practical robots. Founded in 1990, iRobot designs and builds tactical mobile robots that provide enhanced situational awareness and increase mission success for warfighters.

With two decades of leadership in the robot industry, iRobot remains committed to establishing platforms for invention and discovery, building key partnerships to develop mission-critical payloads and delivering robots that improve the standards of safety and living worldwide.

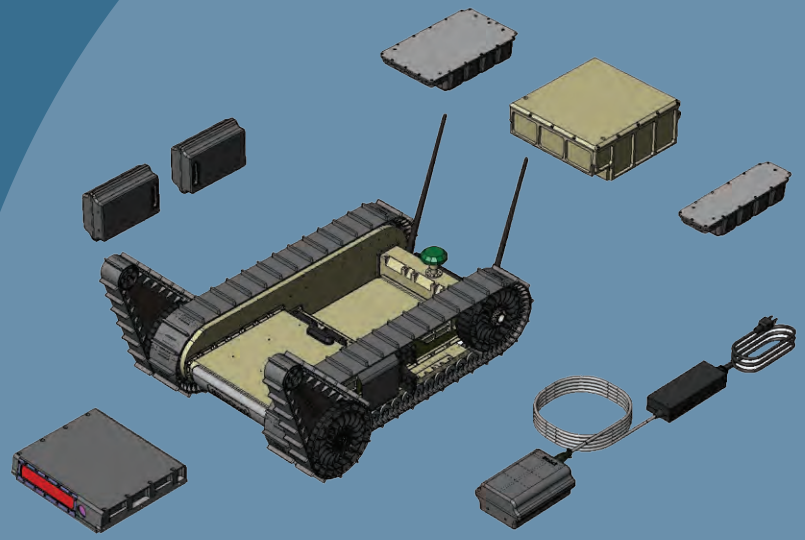
**For more information about iRobot Third-Party Development, contact:**
Orin Hoffman
iRobot Third-Party Development
devsupport@irobot.com

You can also visit **www.irobot.com** for more information about iRobot, Government & Industrial Robots and iRobot Developer Support.

iRobot®

8 Crosby Drive, Bedford, Massachusetts 01730
**www.irobot.com**


# iRobot Third-Party Development



**Be a part of the proactive community developing the next generation of capabilities supporting warfighters and first responders:**

- Create new payloads, behaviors and capabilities for iRobot's family of tactical mobile robots
- Get products to facilitate your research and development
- Establish a path to product for your technology
- Collaborate with top government and robot industry leaders

iRobot®

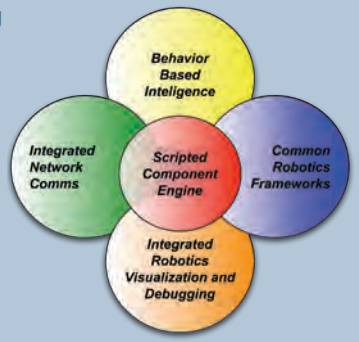
# iRobot: Your Resource For Collaborative Development

iRobot is committed to supporting third-party technical development and the productization of the resulting work. iRobot views collaboration with external developers as an essential way to provide a broad range of new capabilities to warfighters and first responders.

iRobot provides software, hardware and support products to facilitate development on iRobot platforms.

## iRobot® Aware® 2 Software

Aware 2 Robot Intelligence Software is an architecture for developing networked, behavior-based robot applications. Aware 2 reduces risk and speeds your path to product by:




- Utilizing best-in-class software tools from the open source community as well as custom robot and HMI frameworks developed over two decades of fielding deployment-grade robot software
- Eliminating all requirements to create low-level software infrastructure – use or create high level capabilities on day one
- Providing advanced robot development tools such as live data viewers, loggers, web-based data management, and other debugging tools
- Enabling the portability of capabilities across all of iRobot's Aware 2 based robot platforms

Aware 2, a powerful architecture for integrating complex robot system software, is available for beta testing. A commercial license for Aware 2 robot intelligence software is also available.

## About iRobot

Our robots protect troops & civilians and save lives everyday.

- More than 3,000 iRobot® PackBot® Tactical Mobile Robots are deployed around the world, completing missions for military and civilian organizations.
- The iRobot® Warrior® is a 300-pound class tracked robot with extremely high mobility and a 150-pound payload capacity.

iRobot®

# Robot Developers Kit

The Robot Developers Kit is a suite of individually priced hardware and support products designed to facilitate a broad range of third-party development projects.

## Developer Support Package

This package provides iRobot engineering support to facilitate your development on iRobot platforms. Your designated iRobot Support Engineer is available to help resolve developer and technology integration questions and tasks. A Developer Support Package includes a block of engineering support time, documentation, robot models and interface descriptions.

## Payload Tub Kits

iRobot Payload Tub Kits are designed to speed up payload development by providing rugged enclosures for your payloads and standard electrical interfaces to the iRobot® PackBot® chassis. All Payload Tub Kits include a payload tub, a payload cover, an integrated payload connector, a paybreak light board and an internal mounting plate to secure payload components.

### Single-Wide Payload Kit

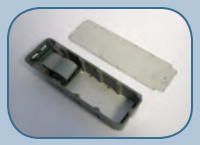
| | |
|---|---|
| Interior Dimensions: | 8.21"L x 2.46"W x 1.63"H |
| Tub Material: | Molded ABS Plastic |
| Cover Material: | 6061 Aluminum Alloy |

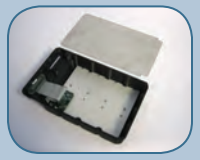
### Double-Wide Payload Kit

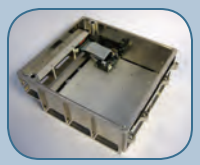
| | |
|---|---|
| Interior Dimensions: | 8.21"L x 2.46"W x 1.63"H |
| Tub Material: | Molded ABS Plastic |
| Cover Material: | 6061 Aluminum Alloy |

### Triple-Wide Payload Kit

| | |
|---|---|
| Interior Dimensions: | 8.40"L x 9.27"W x 3.57"H |
| Tub Material: | 6061 Nickel Plated Aluminum |
| Cover Material: | 6061 Nickel Plated Aluminum |







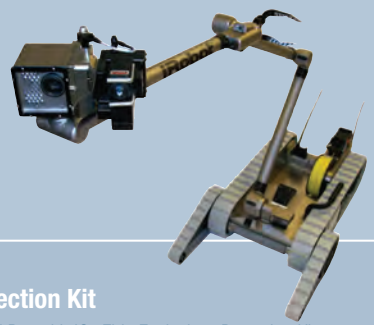
## Interface Accessories

Paybreak Light Kit
Breaks out a PackBot payload connector into standard interfaces.

| | |
|---|---|
| I/O: | 2x NTSC Video Channels, Ethernet |
| Power: | Regulated 5VDC, 12VDC & Switched Vsys (24VDC) |

PackBot Programming Tether
Provides a wired serial and ethernet interface to the PackBot.

AC Power Adaptor
Fits into a PackBot battery bay to supply wall power.



### Third-Party Development Success Story
### iRobot® PackBot® with ICx Fido® Explosives Detection Kit

*iRobot and ICx Nomadics Inc. have taken to product the iRobot PackBot with ICx Fido Explosives Detection Kit, the result of a successful Third-Party Development partnership. An advanced security solution featuring battle-proven technology, iRobot PackBot with ICx Fido Explosives Detection Kit detects explosive vapors and particulates emanating from munitions and Improvised Explosive Devices while keeping the operator and civilians safe.*