

# KBSW180122 Win32-/

rotation\_action\_demo,

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- - Visual Studio 2010 SP1
  - Slamware Windows SDK:[Slamware Windows SDK](#)
  - RoboStudio():[Robostudio installer](#)
  - Sample Code:



Visual Studio











Visual Studio 2010SP1.Net FrameworkSP1

- - Slamware SDP mini
    - Slamware Slamware
    - Apollo/Ares/Athena
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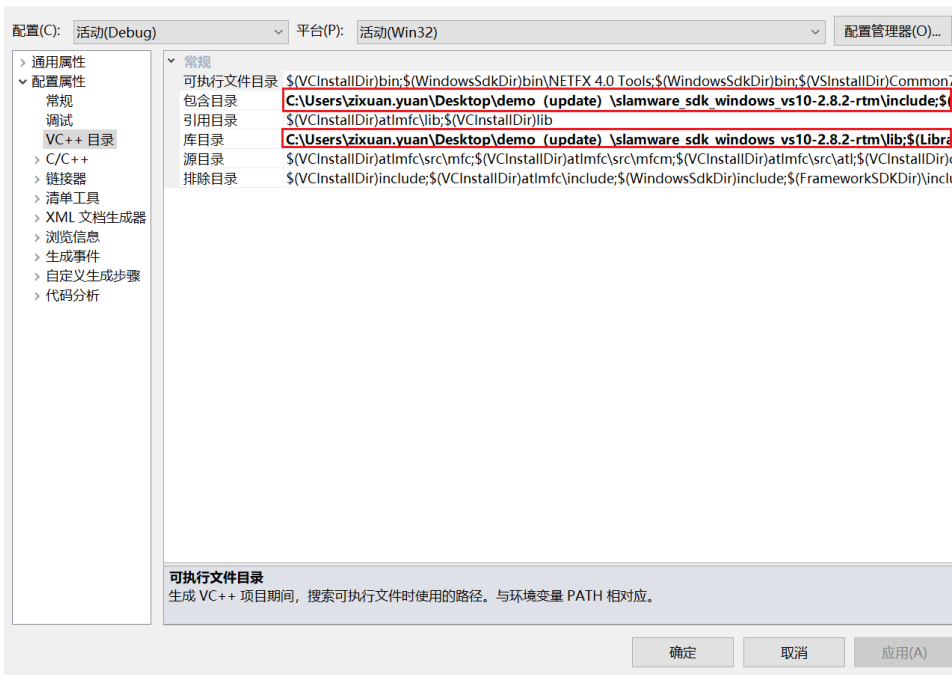
Win32-

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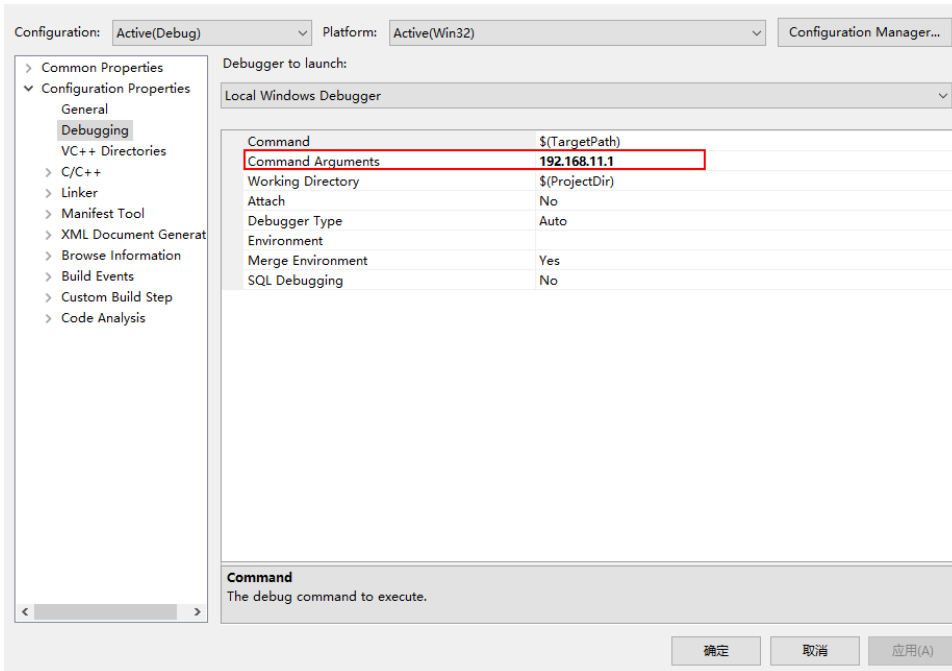
## 1. samplesrotation\_action\_demo, StartUp project

-  Solution 'samples' (9 projects)
- >  artifacts\_demo
- >  composite\_map\_demo
- >  configure\_network\_demo
- >  get\_laser\_scan
- >  get\_power\_status
- >  get\_sensor\_value
- >  go\_home\_to\_charge
- >  move\_to\_spot
- >  **rotation\_action\_demo**

## 2. rotation\_action\_demo, Slamware SDK includelib



3. **rotation\_action\_demo, Debuggingcommand Arguments 192.168.11.1**  
rotation\_action\_demo <IP address>



4. **F5**  
5. **Robostudio**  
Your browser does not support the HTML5 video element

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```
SlamwareCorePlatform sdp = SlamwareCorePlatform::connect(argv[1], 1445);
std::cout << "SDK Version: " << sdp.getSDKVersion() << std::endl;
std::cout << "SDP Version: " << sdp.getSDPVersion() << std::endl;
rpos::actions::MoveAction action = sdp.getCurrentAction();
if (action)
    action.cancel();
//anticlockwise rotation
rpos::core::Rotation rotation(pi*2, 0, 0);
action = sdp.rotate(rotation);
action.waitUntilDone();
std::cout << "Action Status: " << action.getStatus() << std::endl;
//clockwise rotation
rotation.yaw() = pi * (-2);
action = sdp.rotate(rotation);
action.waitUntilDone();
std::cout << "Action Status: " << action.getStatus() << std::endl;
//rotate to a certain orientation
rpos::core::Rotation orientation(pi, 0, 0);
action = sdp.rotateTo(orientation);
action.waitUntilDone();
std::cout << "Action Status: " << action.getStatus() << std::endl;
```