

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

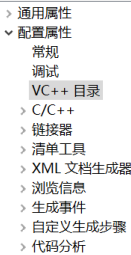
- - Slamware SDP mini
 - Slamware Slamware
 - Apollo/Ares/Athena

Win32-

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



- Configuration: Active(Debug) Platform: Active(Win32) Configuration Manager...

Debugger to launch: Local Windows Debugger

Command	\$(TargetPath)
Command Arguments	192.168.11.1
Working Directory	\$(ProjectDir)
Attach	No
Debugger Type	Auto
Environment	
Merge Environment	Yes
SQL Debugging	No

Command
The debug command to execute.

确定 取消 应用(A)

- yawpi

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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;
```