

KBSW180129 Win32-slamware

configure_network_demoAPSTA

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



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

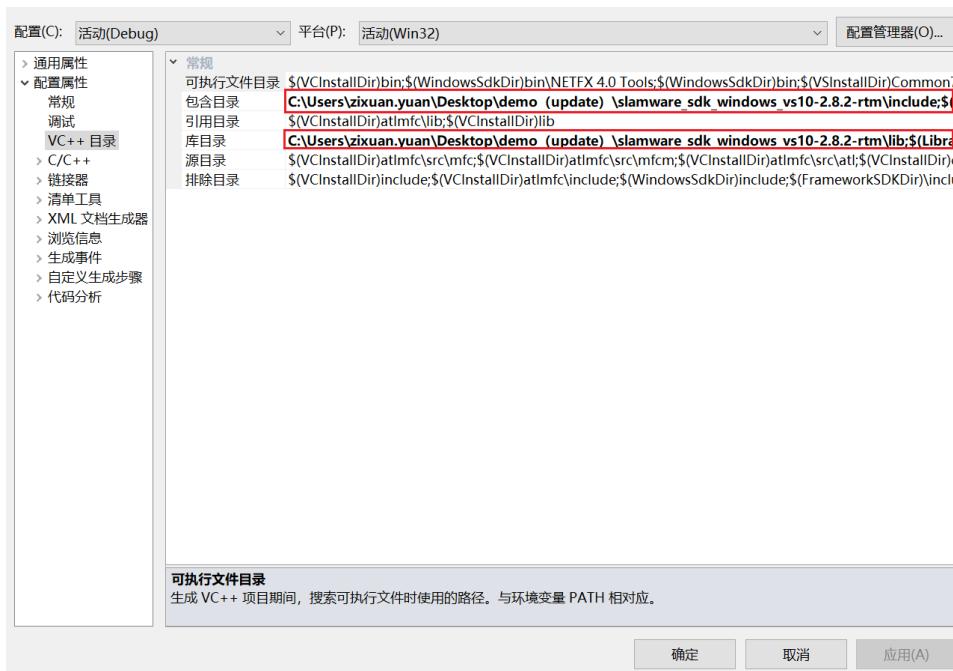
Win32-

1. samplesconfigure_network_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

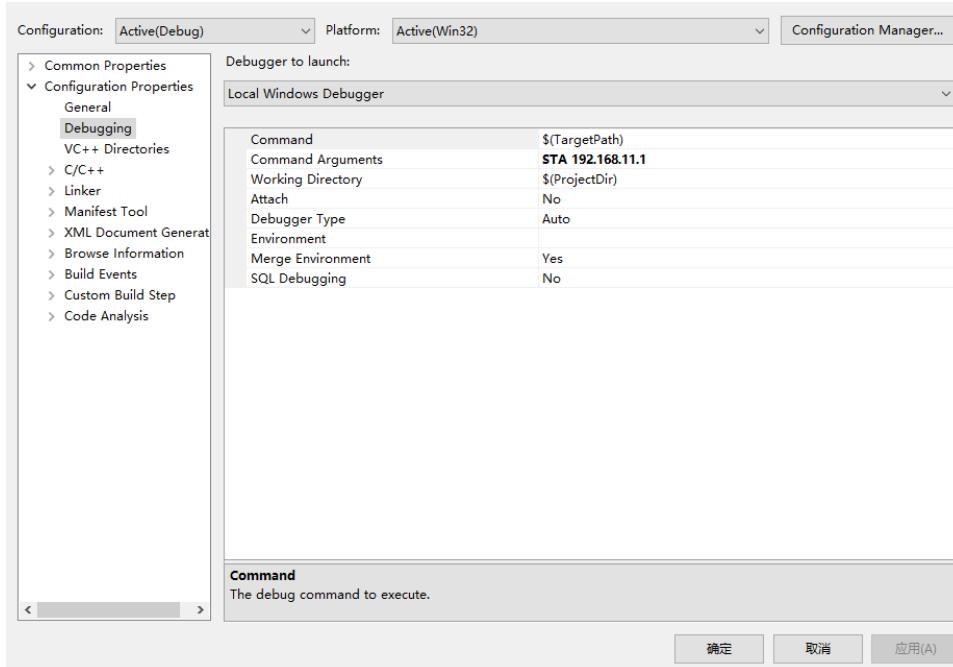
2. configure_network_demo, Slamware SDK includelib



Slamware SDK in lib\Visual Studio



3. configure_network_demo, propertiesCommand Arguments



```
configure_network_demo [OPTS] <SDP IP Address>
slamware_address      The ip address string of the SLAMWARE SDP.
AP                    Configurate network in AP mode.
STA                  Configurate network in STA mode.
--disable-dhcp        disable dhcp.
--enable-dhcp         enable dhcp.
--disable-wifi        disable wifi
-h                   Show this message
```

4. F5

5. APSTA

- AP

wifi, IP

```
选择Windows PowerShell
PS C:\Users\LW\Desktop\SDK\samples\samples\Debug> .\configure_network_demo.exe 192.168.11.1 AP
Connecting SDP @ 192.168.11.1...
SDK Version: 2.5.0_dev
SDP Version: 2.6.0_dev-sdp_vre-20171219
Configure network in AP mode
ssid: test
password: 12345678
IP: 192.168.11.101
channel: 6
Configuring network, please use the new setting to connect the next time
PS C:\Users\LW\Desktop\SDK\samples\samples\Debug>
```

wifitest12345678slamware AP 192.168.11.101slamware192.168.11.1

The screenshot shows a web-based configuration interface for a Slamware Core device. At the top, the URL is `http://192.168.11.101/index.html`. The main content area has a blue header bar with the text "Slamware Core". Below this, there are two sections: "Slamware Core S/N" and "Slamware Core Firmware Versions".

Key	Value
DeviceSN	D09F7E2DDEDF790D4E9F2F90754BED
MODE: SSID : IP	AP : test : 192.168.11.1
RPLIDAR-A2	B09590FC1C3E93AC4CE698F97041340D
S/N	C47ADD09F5946B8692A544ED

Below the table, it says "Slamware Core Firmware Versions" and shows the version "2.6.0_dev-sdp_vre-20171219". There is a blue button labeled "Update Firmware".

wifi6

◎ test

设为按流量计费的连接

关

属性

SSID: test
协议: 802.11n
安全类型: WPA2-个人
网络频带: 2.4 GHz
网络通道: 6

- STA

IP

```
PS C:\Users\LW\Desktop\SDK\samples\samples\Debug> .\configure_network_demo.exe 192.168.11.1 STA
Connecting SDP @ 192.168.11.1...
SDK Version: 2.5.0_dev
SDP Version: 2.6.0_dev-sdp_vre-20171219
Configure network in station mode
Please enter Wifi Name:
Slamtec-Test
Please enter Wifi password:
[REDACTED]
Configuring network, please use the new setting to connect the next time
```

slamwareIP10.0.129.75

The screenshot shows a web-based configuration interface for a Slamware Core device. At the top, the URL is `http://10.0.129.75`. The main content area has a blue header bar with the text "Slamware Core". Below this, there are two sections: "Slamware Core S/N" and "Slamware Core Firmware Versions".

Key	Value
DeviceSN	D09F7E2DDEDF790D4E9F2F90754BED
Mode	AP
SSID	test
IP	192.168.11.101
Channel	6

Below the table, it says "Slamware Core Firmware Versions" and shows the version "2.6.0_dev-sdp_vre-20171219". There is a blue button labeled "Update Firmware".

disable/enable DHCP, disable WIFI,

- slamwareAP

AP

```
std::map<std::string, std::string> options;
options["ssid"] = "test";
options["password"] = "12345678"; // password length should surpass 8
options["ip"] = "192.168.11.101"; // do not use address from 192.168.11.1 to 192.168.11.100
(result for internal usage)
options["channel"] = "6";
result = sdp.configureNetwork(NetworkMode::NetworkModeAP, options);
```

- slamwareSTA

STA

```
std::map<std::string, std::string> options;
options["ssid"] = ssid;
options["password"] = password;
result = sdp.configureNetwork(NetworkMode::NetworkModeStation, options);
```

- /DHCP

disable/enable DHCP

```
if (opt_enable_dhcp == true) {
    std::cout << "enable DHCP" << std::endl;
options.clear();
    result = sdp.configureNetwork(NetworkModeDHCPEnabled, options);
}
if (opt_disable_dhcp == true) {
    std::cout << "disable DHCP" << std::endl;
options.clear();
    result = sdp.configureNetwork(NetworkModeDHCPEnabled, options);
}
```

- WIFI

disable wifi

```
if (opt_disable_wifi == true) {
    std::cout << "disable wifi" << std::endl;
options.clear();
    result = sdp.configureNetwork(NetworkMode::NetworkModeWifiDisabled,
options);
}
```