

# STRIVUINO Programmer

Compiler Binding

Hex Viewer

Secure Programming

Full Chip Erase

Help

## Programmer

```
#include <stdio.h>

int main() {
    int result;

    asm volatile (
        "kc %[res], %[imm]\n\t"
        : [res] "=r" (result) // Output operand
        : [imm] "i" (0x12345) // Immediate operand (use "i" for constants)
    );
    return 0;
}
```

## Console

Compilation successful!  
Generate hex from elf successful!

ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Model

Reset mode :

Mode A

Firmware version :

1.0

Not Connected!

Connect

Compile

Program

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Device Memory:

Address:

0x00000000

Size:

48-word

Data width:

32-bit

Browse

Log

130101FE  
232E1100  
232C8100  
13040102  
8B573412  
2326F4FE  
93070000  
13850700  
8320C101  
03248101  
13010102  
67800000

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Com port

COM

#### Immediate value

Oxi

Send / Receive

Loc

Received: 0a10310001cf0c112c1010011

Same key received successfully

Sent b'0071c01310b131b0011e810091' in response

Sent Immediate value 0xff

### ST Link Configuration:

Serial number :

12345

Port

Frequency (kHz) :

1000

## Mode

## Mode

Reset mode :

## Mode 1

Firmware version :

1.0

Not Connected!

Connect

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Com port:

COM1

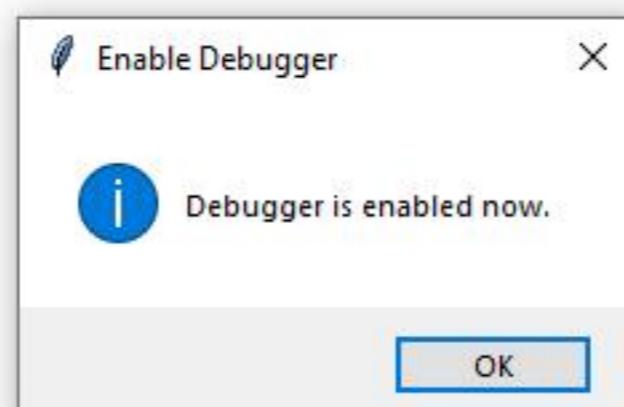
Immediate value:

0xff

Send / Receive

Log

```
Opened COM1, waiting for data...
Sending key: b'0a10310001cf0c112c10100110'
No data yet, waiting...
```



ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Model

Reset mode :

Mode A

Firmware version :

1.0

Not Connected!

Connect

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    );
    return 0;
}
```

## Console

Compilation successful!  
Generate hex from elf successful!

ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Mode3

Reset mode :

Mode C

Firmware version :

1.0

Connected Successfully!

Connect

Run

main



↑ RV-GEN2 (CA&E) waiting for gdb connection.....

↓

← Info : Listening on port 6666 for tcl connections

→ Info : Listening on port 4444 for telnet connections

☰ Connecting to localhost:4444...

✖ Info : accepting 'telnet' connection on tcp/4444

Initial Output from Telnet:

Open On-Chip Debugger

>

Sending command: load\_image C:/Users/office/Downloads/Programmer/PythonProject/firmware.elf

load\_image C:/Users/office/Downloads/Programmer/PythonProject/firmware.elf

▶ Sending command: reset halt

14776 bytes written at address 0x00000000

downloaded 14776 bytes in 3.697662s (3.902 KiB/s)

☰

▶ Sending command: resume

Info : JTAG tap: riscv.cpu tap/device found: 0x00000001 (mfg: 0x000 (<invalid>), part: 0x000, ver: 0x0)

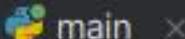
reset halt

JTAG tap: riscv.cpu tap/device found: 0x00000001 (mfg: 0x000 (<invalid>), part: 0x000, ver: 0x0)

☰

! Telnet session still open. You can manually close it.

Run main ×



A vertical toolbar on the right side of the interface, containing icons for file operations: a green circular arrow for refresh, a red square for close, a double up arrow for copy, a double down arrow for paste, a clipboard icon, and a trash can icon.

Services Alt+8 CA&E) waiting for gdb connection....