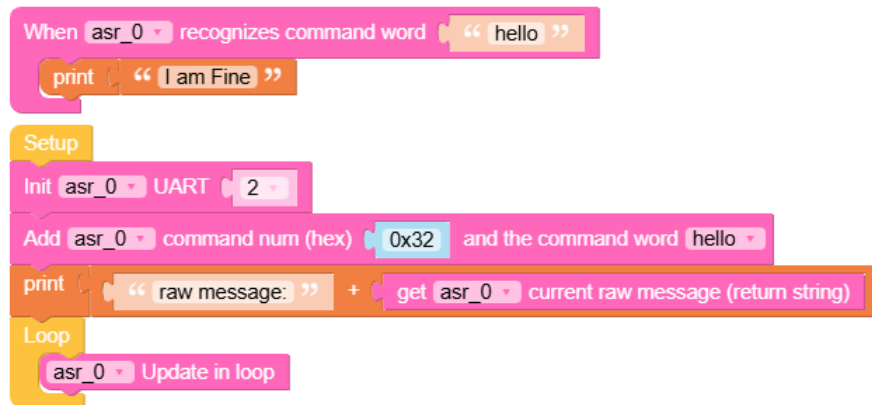


Unit ASR

| Example

Send Hello voice command, execute Print program



```
from m5stack import *
from m5ui import *
from uiflow import *
import unit

setScreenColor(0x222222)
asr_0 = unit.get(unit.ASR, unit.PORTC)

def asr_0_hello_event(args):
    # global params
    print('I am Fine')

asr_0.init(2)
asr_0.add_command_word(0x32, 'hello', asr_0_hello_event)
print((str('raw message:') + str((asr_0.get_current_raw_message()))))
while True:
    asr_0.handler()
    wait_ms(2)
```

| API



```
asr_0.init(2)
```

- Initialize Unit

When `asr_0` recognizes command word `“hello”`

```
def asr_0_hello_event(args):  
    # global params  
    pass
```

- Callback function triggered when Unit ASR recognizes a command word

get `asr_0` current command handler state (return True or False)

```
print((str('current command handler state:') + str((asr_0.get_command_handler()))))
```

- Check if the current command has an associated handler

get `asr_0` current command list

```
print((str('current command list:') + str((asr_0.get_command_list()))))
```

- Get a list of all commands and their associated handlers

get `asr_0` current command num (return string)

```
print((str('current command num:') + str((asr_0.get_current_command_num()))))
```

- Get the current command number

get `asr_0` current command word (return string)

```
print((str('current command word:') + str((asr_0.get_current_command_word()))))
```

- Get the command word corresponding to the current command number

Add `asr_0` command num (hex) `0x32` and the command word `Please drag an event block`

```
asr_0.add_command_word(0x32, 'hello', _)
```

- Register custom commands and handlers

get `asr_0` current raw message (return string)

```
print((str('current raw message:') + str((asr_0.get_current_raw_message()))))
```

- Get the raw message received in hexadecimal format

get `asr_0` status of the receive message (return True or False)

```
print((str('receive message:') + str((asr_0.get_received_status()))))
```

- Get the message reception status

Remove `asr_0` command word “ ”

```
asr_0.remove_command_word('hello')
```

- Remove command words from the command list by word

search `asr_0` command number of the command word “ ” (return int)

```
print((str('command word:') + str((asr_0.search_command_num('')))))
```

- Search for the command number associated with a command word

search `asr_0` command word of the command number (hex) `0x32` (return string)

```
print((str('command word(hex):') + str((asr_0.search_command_word(0x32)))))
```

- Search for the command word associated with a command number

Send message to `asr_0` with command number (hex) `0xFE`

```
asr_0.send_message(0xFE)
```

- Send a command via UART

`asr_0` Update in loop

```
asr_0.handler()
```

- Update function

