

VFB-BTNSTATE is manual

The screenshot displays the Visual Studio Code IDE with the following components:

- Editor:** Shows the source code for `Os_SetRelAlarm` in `Os.c`. The function is defined as:

```
void Os_SetRelAlarm(AlarmType alarmID, TickType offset, TickType cycle)
{
    while (1)
    {
        CyclicTask();
        delay(cycle);
    }
}
```

The code is currently at line 47, column 17, where the `CyclicTask()` call is located. A status bar at the bottom of the editor indicates "No issues found".
- Watch Window:** Located at the bottom left, it displays a list of variables being watched. The variables are organized into a table with columns for Name, Value, and Type.
- Call Stack:** Located at the bottom right, it shows the sequence of function calls leading to the current execution point. The top entry is `SeatCtrlApp.exe!Os_SetRelAlarm(unsigned char alarmID, unsigned long offset, unsigned long cycle) Line 47`.
- Diagnostic Tools:** Located on the right side, it provides a summary of the diagnostics session, including a timeline of events and memory usage.

Name	Value	Type
VFB_HeightBtnState	VFB_BTN_STATE_PLUS (2)	VFB_MultiStateBtnE...
VFB_InclineBtnState	VFB_BTN_STATE_MINUS (1)	VFB_MultiStateBtnE...
VFB_SlideBtnState	VFB_BTN_STATE_PLUS (2)	VFB_MultiStateBtnE...
VFB_AutoBtnState	VFB_BTN_STATE_MANUAL (0)	VFB_AutoStateBtnEn...
VFB_HeightMotorState	VFB_MOTOR_FORWARD (1)	VFB_MotorStateEnum
VFB_InclineMotorState	VFB_MOTOR_REVERSE (0)	VFB_MotorStateEnum
VFB_SlideMotorState	VFB_MOTOR_FORWARD (1)	VFB_MotorStateEnum
VFB_HeightPosition	3 '\x3'	unsigned char
VFB_InclinePosition	0 '\0'	unsigned char
VFB_SlidePosition	2 '\x2'	unsigned char
VFB_DriverWeight	7000	unsigned short

Name	Lang
SeatCtrlApp.exe!Os_SetRelAlarm(unsigned char alarmID, unsigned long offset, unsigned long cycle) Line 47	C
SeatCtrlApp.exe!Rte_Start(...) Line 420	C
SeatCtrlApp.exe!main() Line 9	C
[External Code]	
[Frames below may be incorrect and/or missing, no symbols loaded for kernel32.dll]	

VFB-BTNSTATE is manual

Visual Studio Code interface showing a debugger session for `SeatCtrlApp.exe`. The main window displays the source code of `Os_SetRelAlarm` in `Rte.c`, with a breakpoint at line 47. The Watch window on the left shows various VFB state variables. The Call Stack window on the right shows the current call stack.

Source Code (Rte.c):

```
40 {  
41 }  
42  
43 void Os_SetRelAlarm(AlarmType alarmID, TickType offset, TickType cycle)  
44 {  
45     while (1)  
46     {  
47         CyclicTask(); ≤ 107ms elapsed  
48         delay(cycle);  
49     }  
50 }  
51  
52 void Os_CancelAlarm(AlarmType alarmID)  
53 {  
54 }
```

Watch 1:

Name	Value	Type
VFB_HeightBtnState	VFB_BTN_STATE_MINUS (1)	VFB_MultiStateBtnE...
VFB_InclineBtnState	VFB_BTN_STATE_PLUS (2)	VFB_MultiStateBtnE...
VFB_SlideBtnState	VFB_BTN_STATE_MINUS (1)	VFB_MultiStateBtnE...
VFB_AutoBtnState	VFB_BTN_STATE_MANUAL (0)	VFB_AutoStateBtnEn...
VFB_HeightMotorState	VFB_MOTOR_REVERSE (0)	VFB_MotorStateEnum
VFB_InclineMotorState	VFB_MOTOR_FORWARD (1)	VFB_MotorStateEnum
VFB_SlideMotorState	VFB_MOTOR_REVERSE (0)	VFB_MotorStateEnum
VFB_HeightPosition	1 '\x1'	unsigned char
VFB_InclinePosition	2 '\x2'	unsigned char
VFB_SlidePosition	1 '\x1'	unsigned char
VFB_DriverWeight	7000	unsigned short

Call Stack:

Name	Lang
SeatCtrlApp.exe!Os_SetRelAlarm(unsigned char alarmID, unsigned long offset, unsigned long cycle) Line 47	C
SeatCtrlApp.exe!Rte_Start(...) Line 420	C
SeatCtrlApp.exe!main() Line 9	C
[External Code]	
[Frames below may be incorrect and/or missing, no symbols loaded for kernel32.dll]	

Bottom status bar: Ready

VFB-BTNSTATE is auto

(ignoring height/incline/slide btn-state and taking input from Driver-Weight)

The screenshot displays the Visual Studio Code IDE with the following components:

- Editor:** Shows the source code for `SeatCtrlApp` in the `Os_SetRelAlarm` function. The code is in C and includes a `while (1)` loop that calls `CyclicTask()` and `delay(cycle)`.
- Debug Console:** Shows the process `[17580] SeatCtrlApp.exe` and the thread `[21312] Main Thread`. The stack frame is `Os_SetRelAlarm`.
- Watch Window:** Displays a list of variables being watched, including `VFB_HeightBtnState`, `VFB_InclineBtnState`, `VFB_SlideBtnState`, `VFB_AutoBtnState`, `VFB_HeightMotorState`, `VFB_InclineMotorState`, `VFB_SlideMotorState`, `VFB_HeightPosition`, `VFB_InclinePosition`, `VFB_SlidePosition`, and `VFB_DriverWeight`.
- Call Stack Window:** Shows the execution path, starting from `main()` and leading to `Os_SetRelAlarm`.
- Diagnostic Tools:** Shows a diagnostics session with a 2-second duration (101 ms selected).

The `Watch` window contains the following data:

Name	Value	Type
VFB_HeightBtnState	VFB_BTN_STATE_MINUS (1)	VFB_MultiStateBtnE...
VFB_InclineBtnState	VFB_BTN_STATE_PLUS (2)	VFB_MultiStateBtnE...
VFB_SlideBtnState	VFB_BTN_STATE_MINUS (1)	VFB_MultiStateBtnE...
VFB_AutoBtnState	VFB_BTN_STATE_AUTO (1)	VFB_AutoStateBtnEn...
VFB_HeightMotorState	VFB_MOTOR_REVERSE (0)	VFB_MotorStateEnum
VFB_InclineMotorState	VFB_MOTOR_REVERSE (0)	VFB_MotorStateEnum
VFB_SlideMotorState	VFB_MOTOR_REVERSE (0)	VFB_MotorStateEnum
VFB_HeightPosition	0 '\0'	unsigned char
VFB_InclinePosition	1 '\x1'	unsigned char
VFB_SlidePosition	0 '\0'	unsigned char
VFB_DriverWeight	5000	unsigned short

The `Call Stack` window shows the following frames:

- `SeatCtrlApp.exe!Os_SetRelAlarm(unsigned char alarmID, unsigned long offset, unsigned long cycle) Line 47`
- `SeatCtrlApp.exe!Rte_Start(...) Line 420`
- `SeatCtrlApp.exe!main() Line 9`
- `[External Code]`
- `[Frames below may be incorrect and/or missing, no symbols loaded for kernel32.dll]`