

\\m4f\HardwareSerial.cpp :

Warning !!!!!

Ligne 127 uartModule = 2 **must be** uartModule = 0

Ligne 235 original is **begin(baudRate)** but **baudRate** is not passed in function

Ligne 235 **begin(9600)** assume determined value

Add lignes 409-440:

```
409 void
410 UARTIntHandler1(void)
411 {
412     Serial1.UARTIntHandler();
413 }
414
415 void
416 UARTIntHandler2(void)
417 {
418     Serial2.UARTIntHandler();
419 }
420
421 void
422 UARTIntHandler3(void)
423 {
424     Serial3.UARTIntHandler();
425 }
426 void
427 UARTIntHandler5(void)
428 {
429     Serial5.UARTIntHandler();
430 }
431 void
432 UARTIntHandler6(void)
433 {
434     Serial6.UARTIntHandler();
435 }
436 void
437 UARTIntHandler7(void)
438 {
439     Serial7.UARTIntHandler();
440 }
```

Add lignes 441-448

```
441 //Preinstantiate Object (must be declared here and not in sketch)
442 HardwareSerial Serial(0);
443 HardwareSerial Serial1(1);
444 HardwareSerial Serial2(2);
445 HardwareSerial Serial3(3);
446 HardwareSerial Serial5(5);
447 HardwareSerial Serial6(6);
448 HardwareSerial Serial7(7);
```

\\lm4f\\startup_gcc.c :

Add lignes 69-74

```
69 __attribute__((weak)) void UARTIntHandler1(void) {}
70 __attribute__((weak)) void UARTIntHandler2(void) {}
71 __attribute__((weak)) void UARTIntHandler3(void) {}
72 __attribute__((weak)) void UARTIntHandler5(void) {}
73 __attribute__((weak)) void UARTIntHandler6(void) {}
74 __attribute__((weak)) void UARTIntHandler7(void) {}
```

Modify line 117 :

117 UARTIntHandler, to [UARTIntHandler1](#),

Modify line 144 :

144 UARTIntHandler, to [UARTIntHandler2](#),

Modify line 170 :

170 UARTIntHandler, to [UARTIntHandler3](#),

Modify line 172-174 :

172 UARTIntHandler, to [UARTIntHandler5](#),
173 UARTIntHandler, to [UARTIntHandler6](#),
174 UARTIntHandler, to [UARTIntHandler7](#),

\\lm4f\\HardwareSerial.h

Add lignes 62-67

```
62 void UARTIntHandler1(void);
63 void UARTIntHandler2(void);
64 void UARTIntHandler3(void);
65 void UARTIntHandler5(void);
66 void UARTIntHandler6(void);
67 void UARTIntHandler7(void);
```

Add lignes 74-79

```
74 extern HardwareSerial Serial1;
75 extern HardwareSerial Serial2;
76 extern HardwareSerial Serial3;
77 extern HardwareSerial Serial5;
78 extern HardwareSerial Serial6;
79 extern HardwareSerial Serial7;
```

Add Lignes 83-88 :

```
83 extern "C" void UARTIntHandler1(void);
84 extern "C" void UARTIntHandler2(void);
85 extern "C" void UARTIntHandler3(void);
86 extern "C" void UARTIntHandler5(void);
87 extern "C" void UARTIntHandler6(void);
88 extern "C" void UARTIntHandler7(void);
```

\\hardware\\lm4f\\cores\\lm4f\\main.cpp

Change :

```
HWREG(GPIO_PORTD_BASE + GPIO_O_CR) |= 0x8;
```

To

```
HWREG(GPIO_PORTD_BASE + GPIO_O_CR) |= 0x80;
```

\\lib\\keywords.txt

Add:

Serial5	KEYWORD3	Serial
Serial5	KEYWORD3	Serial
Serial6	KEYWORD3	Serial
Serial7	KEYWORD3	Serial