Download noICE debugger at this link <u>http://www.noicedebugger.com/download.html</u> Double click on the downloaded file *<noice\_84\_68HC12.exe>* to install NoICE debugger

Once installed double click on the NoICE for 68HC12 icon on the desktop.

#### For NC12, NC12DX, NC12MAX, Adapt9S12E128 Setup:

Interface: Technological Arts microBDM12SX Port: COM1 Baudrate:115200 or 9600 Bus Frequency of Target: 4.0MHz Target Chip/Environment: MC9S12e128

Target Communications			×
Interface			
Technological Arts microBDM1	2SX		•
Port	Baud rate		Bus Frequency (MHz) edit/select
COM1 🔽	115200	-	4.0
Target Chip/Environment MC9S12E128 Flash MC9S12Dx64 Flash MC9S12Dx1288 Flash MC9S12Dx256 Flash MC9S12Dx256 Flash MC9S12Dx512 Flash		•	MC9S12E128 Internal Flash - Burn 4000 to FFFF - Burn 38:8000 to 3F:BFFF
MC9S12E64 Flash MC9S12E128 Flash MC9S12KG128 Flash MC9S12KT256 Flash MC9S12NE64 Flash MC9S12UE32 Flash			Browse
	Cano		Help

### Select Adapt9S12E128

Target Communications			×
Interface			
Technological Arts microBDM	125×		-
Port COM1	Baud rate 115200	•	Bus Frequency (MHz) edit/select
Target Chip/Environment MC9512E128 Flash ■ Use PPAGE at 0030 ■ Use 24-bit Hardware breakpoints at 20 ■ Use Flash/EEPROM Burner Play this file after Reset		MC9S12E128 Internal Flash - Burn 4000 to FFFF - Burn 38:8000 to 3F:BFFF	
			Browse
OK	Cance	el	Help

# For Adapt9S12DP256 Setup:

Interface: Technological Arts microBDM12SX Port: COM1 Baudrate:115200 or 9600 Bus Frequency of Target: 8.0MHz Target Chip/Environment: MC9S12Dx256 Flash

Target Communications		×
Interface		
Technological Arts microBDM	12SX	•
Port	Baud rate 9600	Bus Frequency (MHz) edit/select
Target Chip/Environment MC9S12Dx256 Flash MC9S12C128 Flash MC9S12Dx64 Flash MC9S12Dx1288 Flash MC9S12Dx1286 Flash MC9S12Dx512 Flash MC9S12Dx512 Flash	<u> </u>	Any MC9S12Dx256 (DG, DP, etc.) Internal Flash - Burn 4000 to FFFF - Burn 30:8000 to 3F:BFFF - set CLKSW
MC9512E04 Flash MC9512KG128 Flash MC9512KG128 Flash MC9512KT256 Flash MC9512NE64 Flash		Browse Help

# For Adapt9S12DP256 select MC9S12Dx256 Flash

Target Communications		×	
Interface			
Technological Arts microBDM1	2SX	•	
Port	Baud rate	Bus Frequency (MHz) edit/select	
COM1 💌	9600 💌	8.0	
Target Chip/Environment		Any MC9S12Dx256 (DG, DP,	
MC9S12Dx256 Flash			
🔲 Use PPAGE at 0030	- Burn 30:8000 to 3F:BFFF - set CLKSW		
🔽 Use 24-bit Hardware b			
🔽 Use Flash/EEPROM B	Burner		
Play this file after Reset			
		Browse	
OK	Cancel	Help	

### **BAUD Rate:**

Note that it is important the BAUD rate be known. If the wrong BAUD was selected the error below will pop up.

NoICE12	×
8	Cannot synchronize with Technological Arts microBDM12. Please check connections, port, and baud rate.
	ОК

One can reselect the proper BAUD rate under *Options-Target Communications* menu as shown below.

NoICE12 (RESET) - NOT REGISTERED.	30 days remain	
File Edit View Memory Symbols Break	point Run Processor Op	otions Window Help
- 0		Manual Focus E 🕒 🕼 🕼 🚝 💦
A B X Y PC SP C	C SXHINZVC	Command Box Captures Focus
00 00 0000 0000 0000 0000 0	0 0000000 🗸	Status Bar
		Leading Digit Required
		Decimal Radix
	•	Hexadecimal Radix
		Fonts and Colors
		Tab Size
		Extensions
		Run extension EX1
		Run extension Ex2
		Target Communications
	_	51099 commandadoris
Data Output View Watch Memory	7.4	
Select target communications configuration		NUM //

One the setup is finished press the OK button. Immediately NoICE gui will read the target as shown below

🔊 NoICE12 (Br	eakpoint) - Register	ed to Exequ	iel Rarama	- D ×
File Edit View	Memory Symbols E	Breakpoint R	un Processor Options Window Help	
	-		\$ ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	
B B Y	V PC SP	CC SXH		
00 00 0000	0000 F800 000	D D8 1101	1000	
0F800B	180B000011	MOVB	#00 0011	
0F805	180B390010	MOVB	#39 0010	
OFSOA	4F1C3005	BRCLR	1C #30 OF813	
OFSOE	180B090012	MOVB	#09 0012	
OF813	87	CLRA		
OF814	F6F7FE	LDAB	OF7FE	
0F817	51	COMB		
OF818	2726	BEQ	OF840	
UF81A	400001	BSET		
07810	10024001	BOLI	0240 #01	
07825	224001	CIDR	0240 #01	
0F826	0431FD	DBMF	B 0F826	
0F829	D600	LDAB	00	-
•				اھ ا
NoICE12.EX	E version 8.4.4	.1324 nr	aduct version 8.4.4.1324	
NoICE12 - I	NoICE for 68HC1	.2		
Copyright	(C) 1997-2005 b	v John H	artman	
1		-		
Registered	to Exequiel Ra	rama		
L				
Technologi	cal Arts microB	DM12. MO	DE=00	
Target type	e 68HC12. Targ	et buite	r 128 bytes	
Breakpoint	instruction: 0	100		
NOICE12.EA	VolCE for 68HC1	2.1324 pr	Jauet Version 0.4.4.1324	
Convright	(C) 1997-2005 b	v John H	artman	
Copyrigmo	(0, 100, 1000 2	,		
Registered	to Exequiel Ra	rama		
Technologi	cal Arts microB	DM12. MO	DE=00	
Target type	≥ 68HC12. Targ	et buffe	r 128 bytes	
Breakpoint	instruction: 0	0		
				Ţ
Data / Output	: λ View λ Watch λ Mer	nory / 🔳		
Ready				NUM