



- How to flash model to rapid prototyping device memory, for example ES830 or ES910?
- Programming the control device flash EPROM

Answer:

- You can use 3 different tools to flash code to the rapid prototyping device
 - ASCET (for ES910, not ES830)
 - INTECRIO
 - o INCA

ASCET (for ES910, not ES830)

1. In ASCET \rightarrow Project Editor \rightarrow In dialog Project Properties \rightarrow ASAM-2MC \rightarrow ROM Code \rightarrow Click OK button





2. In Project Editor \rightarrow Menu Bar \rightarrow Build \rightarrow Build All



3. In Project Editor \rightarrow Menu Bar \rightarrow Build \rightarrow Flash Target

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	횐 Generate Code	Ctrl+F7
	Compile	
	Link	
	🐿 Build All	F7
	📸 Rebuild All	Shift+F7
	- Transfer	
(2 Flash Target	
	Reconnect	
	Save Built Executable As	





In case the menu option **Flash Target** is grey and inactive:



1. At **ES910**: Make sure that ...

- It is connected to PC and
- that power supply is on

2. In Menu Bar \rightarrow Field: Select Experiment Target \rightarrow Make sure that Online (RP) is selected



3. In case **Online (RP)** is not available:

4. Open Project Properties





5. In dialog **Project Properties** → **Build** → **Target**: Select rapid prototyping accordingly to your set up

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Project Properties				_		×
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Project Properties	Ic.	Target	ES910			\sim
ASAM-2MC		Edit Target Settings				
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INTECRIO 1. In INTECRIO \rightarrow Menu Bar \rightarrow Experiment \rightarrow Open Experiment

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2. In **Experiment Environment** \rightarrow **Tool Bar** \rightarrow Click **Flash** button



In case there is an error message like the following:



0 hardware system(s) found

Automapping failed. Could not find hardware of type ES910 for project 'System'.

Error in flash model: Could not find appropriate hardware for project 'System'.

Error in flash model: Please make sure that the option "Create additional ROM (Flash) Code" is enabled in the properties dialog of the INTECRIO System Project.



1. At **ES910** or **ES830**: Make sure that ...

- It is connected to PC and
- that power supply is on

2. In INTECRIO \rightarrow Menu Bar \rightarrow System \rightarrow System Properties...



3. In dialog System Project Properties \rightarrow Build \rightarrow Activate Create additional ROM (flash) code \rightarrow Click OK button

System Project Properties		×
Project Integration Build Files Compiler Compiler	Build Properties Activate custom build hooks Activate debug code and symbol generation Activate default code optimization Activate required port connectivity check Activate additional ROM (flash) code	
	AUTOSAR version derived ~	
	3 OK Cancel Apply	



INCA 1. In INCA \rightarrow Dialog Hardware \rightarrow Tool Bar \rightarrow Click Manage memory pages... button



2. In dialog Memory Pages of \rightarrow Tab Standard \rightarrow Select Flash programming \rightarrow Click Do it button

Memory pages of: ES9 lataset Utilities	10/SimulationSystem:1\ETKC:1 [Reference pag	ej	×
1 Standard 2 Enhanced			2 Do it
Action	5 From	<u>6</u> To	Close
O Download Copy Flash programming Apply to Code & data	Working page + Code page Reference page + Code page	ECU flash	auto close
	Calibration access	Device group active	

3. Alternatively: Tab **Enhanced** \rightarrow Field **Action**: Select **Flash programming** \rightarrow Click **Do it** button

Memory pages of: ES910/SimulationSystem: 1\ETKC:1 [Reference] Dataset Utilities	page]	×
1 Standard 2 Enhanced Action From	То	2 Do it Close
Flash programming Vorking page Apply to + Code page Code & data V File File	ECU flash	auto close
Calibration access	Device group active	





- This article applies to:
 - ASCET V6.x
 - ES830
 - ES910
 - INCA V7.x
 - INTECRIO V4.x

In case of further questions:

- Please feel free to contact our Support Center, if you have further questions.
- Here you can find all information: http://www.etas.com/en/hotlines.php?langS=true&

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