

A vertical stack of three gold-colored microcontroller chips is shown. A magnifying glass is positioned over the top chip, which has the word "Realizer" printed on it. The background is a dark green with a subtle circuit pattern.

FP100

Flexible Programmer

Main characteristics:

- ❖ Programmer for ICP and ISP compatible products
- ❖ Programs ST72xx series of controller
- ❖ Supports ICP and ISP communication mode
- ❖ Direct programming mode
- ❖ Load, Walk, Use programming
- ❖ Operates from USB or target module (no extra external power needed)



The FP100 is a product of Actum Solutions, the manufacturer of Realizer® and other tools that help you program micro-controllers

Description

More and more products need to be serviced or updated in the field. Also, control modules inside products may use different software functionality during the production phases.

The FP100 can be used to load or change the software of a control unit. It programs the control modules using the ICP function (In-Circuit Programming) that many micro-controller nowadays provide.

Examples of these micro-controllers are the ST72xxx series from STMicroelectronics®.

The FP100 (FP stands for Field Programmer) can be used in 2 modes:

Wired mode

This is the older and well-known way of programming. The FP is connected between the desktop and the target module. Using a desktop dialogue the software is transferred to (i.e.: programmed into) the target module. All user interface is done through the desktop PC.

Detached mode

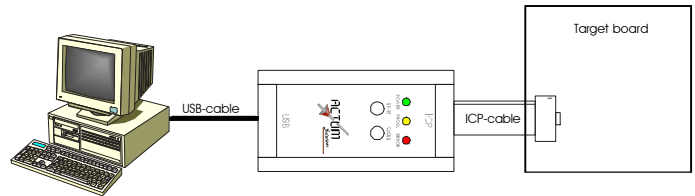
This mode can also be referred to as the: "Load-Walk-Program" - mode. The process is the following:

- ◆ Connect the FP100 to the desktop PC (USB-bus).
- ◆ Load software into FP100.
- ◆ Walk to the workbench or machine with the FP100.
- ◆ Program the software into target module.

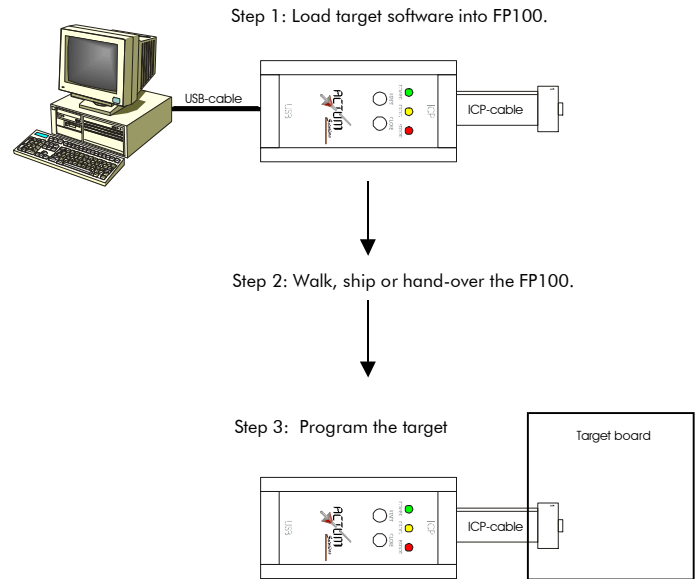
In this mode the FP100 is used to program numerous target modules without any interaction with the desktop PC.

This mode is very interesting to send over software revisions to other places around the world. The user just plugs in the 10 pin socket and pushes the button.

Move your software from desk to target with the FP100!



Wired mode: a direct connection from PC to target



Detached mode: Load, Walk and Program

Description	Number	Range	Remarks
Power supply	-	-	Power is supplied via USB or target module connection.
Leds	1	POWER	Indicates that power is applied to the FP100.
	1	PROG.	Indicates the programming status.
	1	ERROR	Indicates that an error has occurred.
Switches	1	START	Starts a programming session.
	1	CLOSE	Closes a programming session.
USB	1	-	USB 1.1 and USB2.0 compatible.
Speed	n.a.	28 sec.	Programming 60 kbyte into an empty ST72F521.
Dimensions	Length	102	mm
	Hight	30	mm
	Width	54	mm
Weight	n.a.	77 grams	Excluding cable
Deliverables	1	-	FP100 operation manual.
	1	-	USB cable