



AT89S Keyfob Field Programmer

A portable ISP in a Keyfob package



- ◆ Portable
- ◆ Compact
- ◆ One button operation
- ◆ Comprehensive device support
- ◆ Field or production use

The Keyfob

The ultimate programming tool for AT89S microcontrollers, in the field or on the production line - so easy a child can use it! The smallest stand-alone programmer for AT89S available, just load it once and then program target devices again and again and again.

One Keyfob Starter Kit = Many Keyfobs

You require just one starter kit for your PC and you can load as many keyfobs as you need. Just connect the starter kit to your printer port and run the master software. Select your program and EEPROM data files, device type and Fuse settings and now you can load the keyfobs with your program or test code in seconds. As the Keyfob is battery powered during load, you don't need any power supplies or cabling, just plug a Keyfob into the simple adapter supplied. Once a Keyfob is loaded, it is completely portable and can be used where you need it, not where your PC is located.



Field Updates

Think how often you need a simple upgrade to a vending machine, slot machine or other equipment such as lifts, security controls or medical equipment - simple, except it is hundreds of miles away.

The rugged design and simple operation of this unique programmer means that you can "let the Keyfob do the walking" by sending the Keyfob rather than an expensive engineer. The Keyfob includes a 12V battery so your target system does not have to be powered for occasional programming although you will need power from the target for multiple programming to save battery life.



Supports:
AT89S53
AT89S8252

Starter Kit

Contents:

- ◆ One Keyfob programmer with battery included.
- ◆ One Parallel port Keyfob loader.
- ◆ An adapter for Keyfob loading.
- ◆ One spare battery.
- ◆ PC software for Keyfob loading

Compatible with windows 95/98/2000/NT

Supports:
AT89S53
AT89S8252

Production line

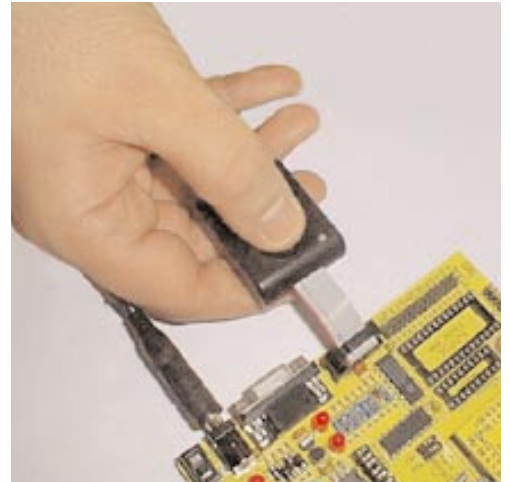
Wouldn't it be nice to have a simple to use, completely portable yet low cost programmer, which can be loaded with different program code or test vectors, available where required on the production floor? Not possible? It is now, with the Keyfob programmer - one button operation, auto sensing of target, auto verification and error indicator - that's really simple to use. Fits on a keyring and weighs less than one ounce - that's portable! Less than \$100 - that's low cost!

Device Support

You need flexibility when it comes to choosing a device so we have made sure that the Keyfob supports as many devices as possible. All AT89S devices are supported. Of course, just the programming code is not enough, so the Keyfob automatically loads and verifies the data EEPROM . Last but not least, the lockbits are programmed as part of the sequence.

Programmer details

Small, light and completely portable, the Keyfob is the most flexible programming tool around. It measures just 4.5 by 3 by 1.3 cm - which is 1.8 by 1.3 by 0.5 inches for you non-metric types! It weighs just 27g (one ounce) so it is great value and easy to post or carry on your keyring. To give you really long life, the Keyfob can be loaded with new code thousands of times as it uses serial E2 technology. The 12V alkaline battery fitted in the Keyfob, mostly used for loading the Keyfob from the PC, can power more than 50 reloads. This battery is a standard car remote control type so it is easy to source and we even include a spare in the starter kit.



Order Numbers

To help you get just what you need for your application, we can offer you a range of options.

Product	Order Number	
Keyfob Starter kit	89KF0010	
Individual Keyfob Only	89KF0020	
Multipack (pack of 5 keyfobs)	89KF0030	
Field Service Pack (Starter kit plus 5 keyfobs)	89KF0040	

YOU MUST HAVE A KEYFOB STARTER KIT TO LOAD THE INDIVIDUAL KEYFOBS

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