# The New Sinclair Spectrum 128K+2



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# Building on success

**In the beginning**

In 1982, the Sinclair ZX Spectrum was launched. Since then it has consistently been the best selling British computer, and now over two million Spectrums have been bought. It's easy to see why. Technically the Spectrum was a revolution. It brought colourful computing into the home for the first time. The high-resolution graphics, combined with the sound and, above all, the low cost, provided limitless opportunity for writers to produce entertaining, economic software. There are now thousands upon thousands of titles available, and new productions are announced almost daily. Just try beating the Spectrum 128K +2 for range and freedom of choice.

Microvitec Monitor shown with simulated picture

**From Revolution to Evolution**

Following the original Spectrum, more members of the family have been produced. The Spectrum + gave the user a better keyboard and a better case. The Spectrum 128 had three times the memory, better sound and clearer graphics, as well as a host of new features. Now the Spectrum 128 has been further enhanced, and redesigned from the inside out to include higher quality, greater ease of use and even better value for money. But it's still a Spectrum — the Spectrum 128K +2.

**The whole Spectrum**

The Spectrum 128K +2 has an impressive list of features. It has a real typewriter style keyboard. It has an integral datacorder, giving reliable loading and saving with no wires, no volume control worries, no hassle. All you do to run a program is play the tape and press one button — it couldn't be easier. There are built-in joystick ports, giving you the most precise and satisfying way to control games. Just as important are the things that you can't see, like reliability. The only thing you need with the 128K +2 is a TV (or a monitor for really high quality graphics) and you're ready to go.

**Games of Chance**

The 128K +2 has been designed to use the huge range of available software that the Spectrum enjoys. To give you a guarantee that a program will work, the Sinclair Quality Control system has been set up. If a game displays the SQC symbol, it means that it has been checked by experts to ensure that it will work on the Spectrum 128K +2. The vast majority of Spectrum programs will, in any case, work without problem, but SQC makes sure that the only games you'll play are those that you want to.

*Sinclair Quality Control*

**Matters of Life and Death**

It doesn't matter if you want to be a pop star, a President, an astronaut, an alien, a wrestler or a wizard. The 128K +2 will help you do it. You can fight to the death in a thousand different ways, explore dead cities and enchanted temples, play tennis, football, snooker, chess, trade with starmen or deal with conmen. It's up to you. You might get lost in a distant galaxy, but you'll never be at a loss for something to do. And to guide you through the proliferation of programs there are magazines exclusively for the Spectrum owner. With all those software titles, you might need a little help now and again…

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## Growing up made easy

With the Spectrum 128K+2, you're not limited to games. For a start, there's a built-in full function calculator that's easy to use if you've never touched a computer before.

For the serious user, the success of the Spectrum family has produced computer languages, word processors, spreadsheets and educational programs in profusion. When you're ready, the 128K+2 is ready to be connected to a serial printer, a monitor, a keypad, a modem, and many other items to help you with your computing. If you ever tire of the four-channel high quality sound, you can plug in a synthesiser via the MIDI port, and write and perform symphonies. The Spectrum 128K+2 is compatible with the Interface One and Microdrives, and most hardware items produced for the Spectrum 128. And the 128K of memory — more than computers costing twice as much — ensures that software will never be short of room to use these features to their fullest extent.

## Building on Success

With the 128K+2, you can be sure that you have a computer that will give you much more choice, much more flexibility and much more fun for much less money. Built on the success of the Spectrum, the 128K+2 can't be beaten. You can't lose. Unless, of course, those aliens are just too fast . . .

## Spectrum 128K+2 Technical Specifications

**Memory:**
RAM 128 Kbytes
ROM 32 Kbytes

**CPU:**
Z80A running at 3.54690 MHz

**Screen:**
256×192 Pixel resolution
24×32 Colour resolution
8 colours foreground, 8 colours background, plus intensity and flash settings
Independently controllable border

**Sound:**
Three voices tone and/or noise with 16 envelope setting
One voice CPU generated
Output via TV or Audio socket

**Keyboard:**
58 keys full travel "Qwerty" keyboard.

**Storage:**
Integral Datacorder
Volatile Silicon Disc

**Firmware:**
48K Spectrum BASIC (compatibility mode)
128K enhanced Spectrum BASIC with full screen editor and menu driven command system
Calculator
Single-key program loading system

**Interfaces:**
UHF PAL TV port
Serial Printer port
RGB Monitor port
Keypad port
MIDI port (out only)
2 Joystick ports
Audio Out port
Expansion IO port (full Z80 bus)



**Hardware:**
9 volt PSU
Reset switch
Power On LED



**Power supply included**
**Joystick port — optional extra.**