

Samsung Portable SSD Software

Set your password and get the latest firmware updates with Samsung Portable SSD Software, available in PCs, Mac®s, Android™ smartphones and tablets. You can also check your drive's health, boost performance and protect data with Samsung Magician Software.

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Password protection

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Firmware update

macOS

Portable SSD

T7 Series

SAMSUNG

* Software requires Windows®7, macOS® X 10.10, Android™ Lollipop, or higher version. Older versions of Windows®, macOS®, and Android™ operating systems may not be supported.
** Firmware update requires use of PC or Mac® and access to internet connection. Android™ app available on Goolge Play. Samsung Magician Software only available in Windows®.

Specifications

Model	T7	T7 Touch	T7 Shield
Capacities ⁷⁾	500GB / 1TB / 2TB		1TB / 2TB
Interface	USB 3.2 Gen2(10 Gbps) with backwards compatibility		
Dimensions ⁸⁾	85 x 57 x 8 mm (3.4 x 2.2 x 0.3 inches)		88 x 59 x 13 mm (3.5 x 2.3 x 0.5 inches)
Weight ⁸⁾	58 grams		98 grams
Performance ⁴⁾	Up to 1,050 MB/s		
UASP Mode	Supported		
Software	Samsung Portable SSD Software 1.0, Samsung Magician Software		
Encryption	AES 256-bit hardware encryption		
Security	Password protection	Password protection Fingerprint recognition	Password protection
Certification	CE, BSMI, KC, VCCI, C-tick, FCC, IC, UL, TUV, CB, EAC, UKCA, BIS		
RoHS Compliance	RoHS2		
Connectivity	USB Type C® -to-C, USB Type C®-to-A		
Warranty ¹⁾	3-year limited warranty		

1)Samsung Electronics shall not be liable for any loss, including but not limited to loss of data or other information contained in Samsung Electronics products and in storage devices, or loss of profit or revenue which may be incurred by user. For more information on warranty, please visit <https://samsung.com/portable-ssd>

2) Internal testing demonstrated that T7 Shield survives 3-meter high free-fall to a metal plate. Drop resistance may vary depending on the actual environmental conditions. Damage caused by drop is not covered under warranty.

3) The IP65 rating is based on internal testing conducted under controlled conditions. Water and dust resistance capabilities may vary depending on the actual environmental conditions. Damage caused by liquid and dust are not covered under warranty.

*IPX5 Test condition: Device was exposed to fresh water projected from a nozzle (0.6.3mm) 3 meters away at 12.5 l/min for 3 minutes.
**IP6X Test condition: Device was exposed to 2kg/m³ of active dust with a pressure under 2kPa for 8 hours in a vacuum chamber.

4) Performance may vary depending on host configuration. To reach maximum read/write speeds of up to 1,050/1,000 MB/s, respectively, the host device and connection cables must support USB 3.2 Gen 2 and the UASP mode must be enabled.

5) Compatibility with host devices may vary. Some operating systems may require product reformatting.

6) T7 Series is compatible with USB 3.0 and USB 2.0.

7) 1GB=1,000,000,000 bytes, 1TB=1,000,000,000,000 bytes.

8) The actual product weight and size may vary depending on the product's capacity and measurement method.

For more information
For more information about Samsung Portable SSD, please visit <https://samsung.com/portable-ssd>

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T7 | T7 Touch | T7 Shield



T7



2TB

1TB

500GB



Password protection



2m drop resistance

T7 Touch



2TB

1TB

500GB



Password protection



2m drop resistance



Fingerprint security

T7 Shield



2TB

1TB



Password protection



3m drop resistance²⁾



Water and dust resistance³⁾

Pick your perfect fit

Choose the perfect design for your lifestyle. The T7 series gives you next-level storage with its compact size and variety. Ideal for creators who like sleek aesthetics, office workers needing excellent security, and adventurers needing dependable durability for the great outdoors. Versatility, all backed by a 3-year limited warranty¹⁾.

Speed up the flow

Reduce waiting time and accelerate your workflow. Powered by USB 3.2 Gen2 and embedded PCIe[®] NVMe[™] technology, the T7 series reaches sequential read/write speeds of up to 1,050/1,000MB/s⁴⁾.

* Based on internal test results compared to a Samsung external HDD 1TB (HX-MTD10EA). Test system configuration: ASUS Z270 ROG MAXIMUS IX HERO (USB 3.2 Gen2 Type-C), Intel[®] Core[™] i7-7700K CPU @ 4.20GHz, OS-Windows[®] 10 19H2

Transfer speed



Download times from a laptop

4K UHD	Full HD	100(1GB) Pictures	100(0.6GB) Songs
4.8GB Video	3GB Video	100(1GB) Pictures	100(0.6GB) Songs
8.0 sec.	4.4 sec.	2.0 sec.	1.1 sec.

Any device, anywhere

With the included USB Type C[®]-to-C and Type C[®]-to-A cables, connect the T7 series to various host devices⁵⁾, including Windows PCs[®], Mac[®]s, Android[™] devices, gaming consoles, and more⁶⁾.



Windows[®] PC



Mac[®]



Android[™] device



Gaming console

Compact and light

Carry it wherever you go. Similar to a size of a credit card and light as only 58 grams, the T7 and T7 Touch can easily slide into a small pocket. The T7 Shield weighs 98 grams, providing powerful portability that can venture anywhere.

T7 / T7 Touch

Size : 85 x 57 x 8 mm
Weight : 58 grams

T7 Shield

Size : 88 x 59 x 13 mm
Weight : 98 grams