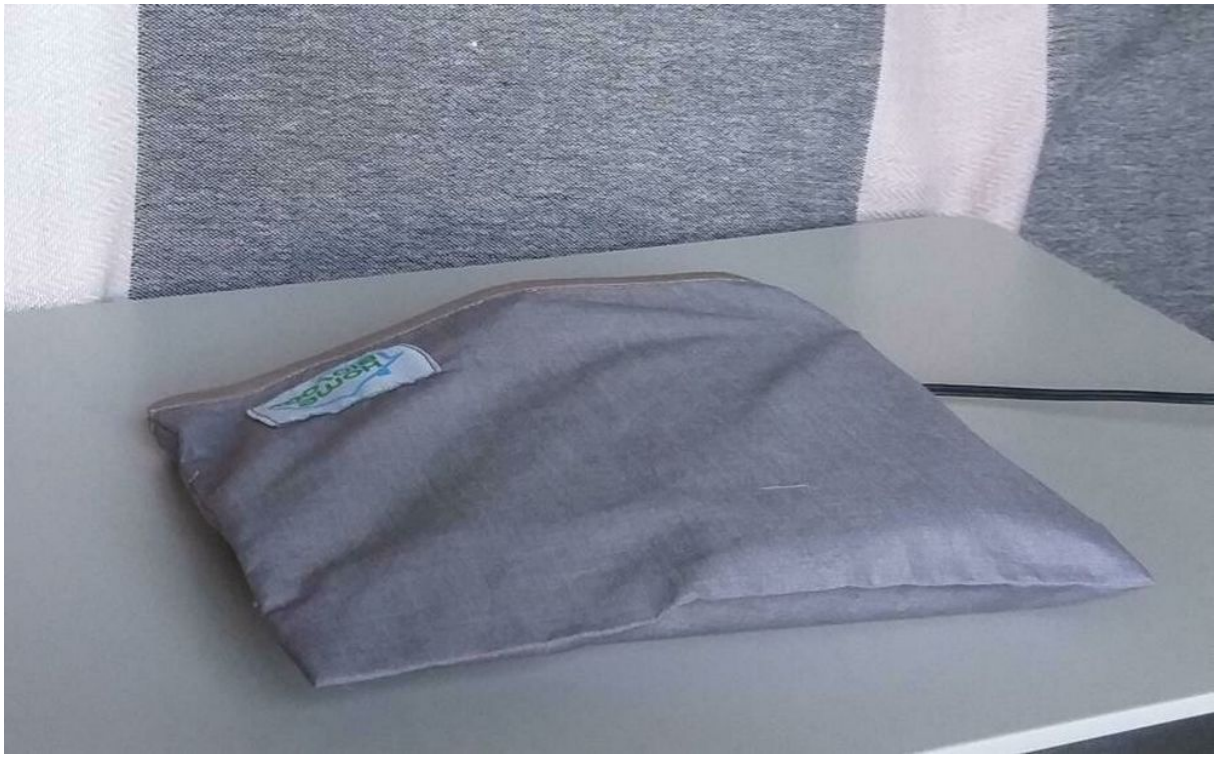
HB Wireless Pocket Shield – Wi-Fi modem, router, baby monitor, etc. shielding cases



Price
24,50 €

Tax amount 4,74 €

24 h

Ask a question about this product

Steel Gray

Use HB electromagnetic shielding fabric cases to reduce radiation emissions from wireless, continuous-broadcast devices such as Wi-Fi modems, baby monitors, smart speakers, cordless phone bases, etc.

- from the most durable and best value for money electromagnetic shielding fabric Steel Gray
- shielding rate: 99.96% = 35dB at 1GHz frequency
- material: 40% cotton, 30% polyester, 30% stainless steel
- gray color
- high-quality, breathable and lightweight fabric
- very good protection retention during washing - for even better fabric preservation, it is recommended to wash the fabric with the special TEXCARE liquid detergent

Why should I use HB Wireless Pocket Shield cases?

HB Wireless Pocket Shield cases cover entire wireless devices (and their external antennas if present) and reduce the emitted radiation by 90%, but maintain the signal (Wi-Fi, etc.) at least in areas close to the wireless device.
This means that you can be near continuously transmitting wireless devices such as a wireless modem, receiving less than 10% of the emitted radiation, and still be able to connect to the wireless device when you wish.

For which wireless devices is the use of shielding cases recommended?

The use of shielding cases is recommended for wireless devices that continuously emit high-frequency electromagnetic fields, such as Wi-Fi modems / routers / repeaters / powerline adaptors, intercom devices (baby monitors), smart speakers (Apple Siri, Google Home, Amazon Echo), cordless phone bases, smart devices, central devices-nodes in smart homes (Home Base/Gateway), etc.
Shielding cases are ideal when wireless devices are located near places where we spend many hours and there is no need to maintain their signal in remote areas.
See here the HB Belly Shield covers that protect the abdomen and genitals from wireless radiation

How will I know that there has been a reduction in radiation levels after using shielding cases?

You can measure the radiation emitted by your wireless devices, with or without the use of shielding cases, by renting Gigahertz's easy-to-use HF38B high-frequency radiation meter or by purchasing/renting this or other high-frequency meters.
See in the video how radiation from a wireless modem and a cordless phone base is reduced by 90% by installing an HB Wireless Pocket Shield shielding case (0.1-0.2 mW/m2 with case, 2-2.5mW/m2 without shielding case):

3 case sizes for each wireless device

- Small (S)

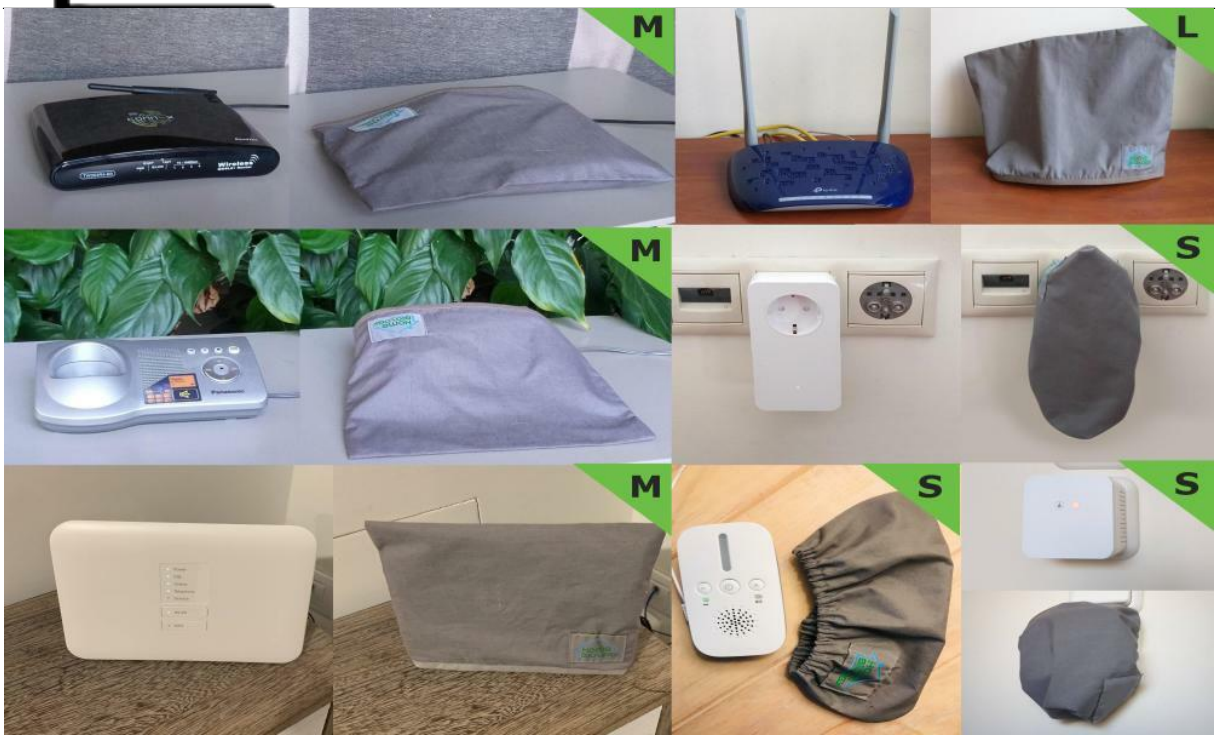
Dimensions ~ 9 X 20 cm (case opening on the long side) and price 24.50 euros (free shipping)
Recommended for protection from Wi-Fi repeaters / Powerline adapters , etc. (devices that are in contact with the outlet), etc. It has a retaining rubber to prevent it from falling.

- Medium (M)

Dimensions ~ 23 X 19 cm (case opening on the long side) and price 29.50 euros (free shipping)
Recommended for protection against common small/medium-sized Wi-Fi modems/routers, cordless phone bases, baby monitors without external antennas or with small retractable antennas, etc.

- Large (L)

Dimensions ~ 36 X 24 cm (case opening on the long side) and price 36.50 euros (free shipping)
Recommended for protection against large Wi-Fi modems/routers, with large external antennas, etc.

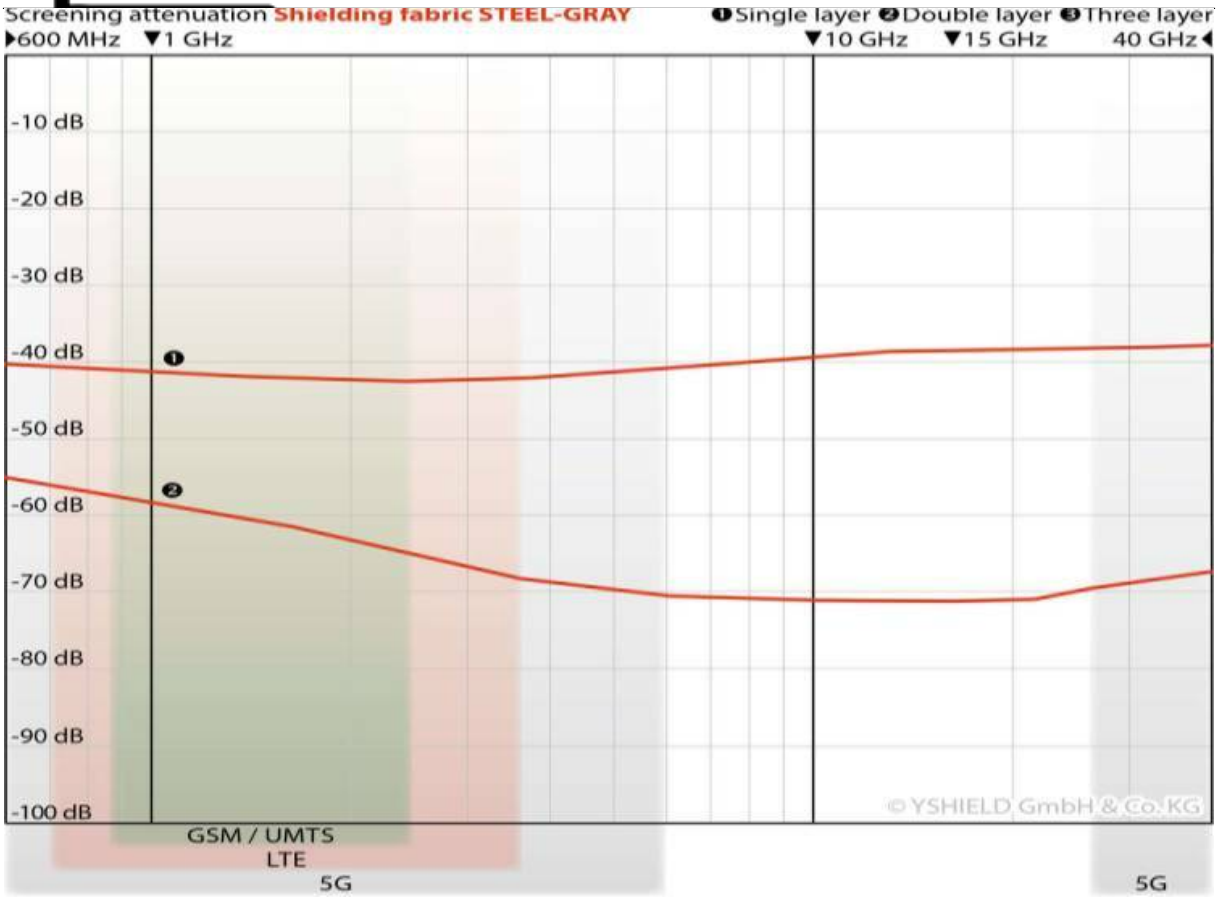


Features

- Made from Steel Gray electromagnetic shielding fabric
- material: 40% cotton, 30% polyester, 30% stainless steel
- color: gray
- shielding percentage: 99.96% = 35dB at 1GHz frequency (see shielding certificate)
- high-quality, breathable and lightweight fabric (weight: 120 g/m²)
- the most durable and best value for money electromagnetic shielding fabric
- very good protection retention during washing - for even better fabric preservation, it is recommended to wash the fabric with the special TEXCARE liquid detergent
- wash at 30°C, tumble dry low, do not bleach, do not dry clean, iron without steam, level 1 (if you have allergies, wash it before first use to remove the smell of new fabric)
- maximum dimensional deviation of 5% - due to the high production costs and in favor of a reasonable retail price, tiny imperfections in the weave do not make the fabric defective

High shielding rate across the entire spectrum of wireless radiation

See in detail the shielding diagram per frequency (600 MHz - 40GHz) of the Steel Gray fabric, measured according to the ASTM-D4935-10 standard (30dB=99.9% reduction, 40dB=99.99% reduction, 50dB=99.999% reduction):



Are armor cases also used to protect mobile phones, smartphones, tablets, notebooks, laptops?

The cases can also be used to put smartphones, tablets, notebooks, laptops inside when you are not using them and you do not want or cannot disable their Wi-Fi / Bluetooth / Data antennas. Please note that some mobile device models continue to emit radiation even when you turn off the Wi-Fi / Bluetooth / Data antenna from the quick menu and/or put the device in airplane mode (e.g. the Bluetooth antenna on many i-phones/i-pads). If you have a mobile phone with you when you sleep and want to be sure that it does not emit radiation, we recommend measuring the radiation with a high-frequency radiation meter or placing the mobile phone in an electromagnetic shielding case (the mobile phone signal may not be lost, unless there is already a weak signal).

Will the wireless device's signal be lost when I cover it with a shielding case?

Shielding cases reduce the emitted radiation by 90%, but maintain the signal (Wi-Fi, etc.) at least in the areas near the wireless device - usually
Especially when we are in close proximity to the wireless device (usually in the same room), the signal quality will usually not be affected. The WiFi signal indicator on your mobile is not a measurement of radiation (power density). The full signal indicator can appear even at low power density levels (<5µW/m2), which can mislead you regarding the effectiveness of the shielding solution. For example, initial radiation values of around 2000µW/m2 due to a neighboring wireless modem can drop to 200µW/m2 after installing a shielding case, however your mobile may still show full signal even though you had a 90% reduction in radiation values.

What radiation do wireless Wi-Fi modems, baby monitors, smart speakers, etc. emit?

The above wireless devices have built-in Wi-Fi / DECT / Bluetooth antennas for the wireless transfer of audio and/or video data and emit high-frequency electromagnetic fields.

Are the radiation levels I receive from wireless devices increased?

Radiation values decrease with the square of the distance from the source.
For example, if a wireless modem/router (Wi-Fi) exposes us to ~10000 μW/m2 at a distance of 1 meter, then it will expose us to ~400 μW/m2 at a distance of 5 meters.
The recommended exposure limits by various scientific bodies to high-frequency electromagnetic fields are <100μW/m2.

How do high-frequency electromagnetic fields affect the human body?

High-frequency radiation has been linked to insomnia, depression, brain, testicular, skin, salivary gland cancer, male infertility, miscarriages, leukemia, etc.
Based on common exposure values, the World Health Organization has now included high-frequency electromagnetic fields (wireless radiation) in the list of possible carcinogens, while WHO consultants are proposing their inclusion in the proven carcinogens, based on new scientific evidence.
Some scientists argue that increased exposure to wireless radiation of children, as well as of the mother and fetus, during pregnancy leads to incomplete or problematic development of the child's brain and may be related to the current increase in autism/hyperactivity and other behavioral disorders.

What can I do to reduce my exposure to radiation from wireless devices?

If you wish to reduce your exposure to wireless radiation, we recommend that you disable the wireless function of each wireless device (for example, on wireless modems, by pressing the WLAN button or from the device settings via your computer - for precise instructions, ask your provider) and connect to it using a network cable (Ethernet) and/or disable the wireless function of the device when you do not need it.
Because many wireless devices do not have a button to easily turn on/off the wireless antenna or it is not possible to turn off the wireless device because a wireless connection needs to be maintained, at least in nearby areas, the simple solution to reducing exposure to radiation from wireless devices is electromagnetic shielding cases.
If you want to protect your microwave-sensitive genitals (wireless radiation is linked to infertility) and your fetus during pregnancy (it can lead to incomplete or problematic development of the child's brain) from the wireless emissions of mobile smartphone / laptop / tablet devices, we recommend that you also purchase the HB Wireless Belly Shield electromagnetic shielding cover.

I can't reduce the radiation emitted by the router myself? Do I need the shielding case?

Yes, you can reduce the transmission power from the router settings (and change other settings that help reduce radiation such as removing one of the two transmission frequencies in a dual band router, increasing the transmission interval, etc.) and this is the ideal way, however, most routers today unfortunately reset the settings whenever an upgrade is made, whenever you turn on or off the router or Wi-Fi antenna, etc., so you should regularly reset the improved settings and/or check that they still work with a high-frequency radiation meter.

Are the various stickers/plates effective in protecting against radiation from wireless devices?

Stickers/plates and other products that “neutralize (?) electromagnetic radiation”, “energy products equipped with the appropriate information (?)” and various similar products that are placed on wireless devices have flooded the market.
These products do not achieve any measurable reduction in emitted radiation as you can see with a simple measurement with a high-frequency radiation meter.

Maintenance instructions

- Steel Gray fabric is the most durable armor fabric and has very good armor retention in washing.
- It can withstand washing at temperatures up to 60°C, however, to maintain it better, it is recommended to wash at 30°C (no bleach, no dry cleaning), dry at low temperatures and iron without steam, level 1.
- If you have allergies, wash the fabric before first use to remove the new fabric smell.
- For better preservation of the fabric and minimal weakening of the armor after washing,

washing with the special TEXCARE liquid detergent is recommended (1 liter is sufficient for 20 washes – Price of 1 liter package = 19.90 euros).

- Yshield, having conducted extensive washing tests of shielding fabrics with many different types of detergents, discovered that the use of certain laundry detergents negatively affected the maintenance of the shielding percentage of the fabrics. In addition, it received many customer comments, that for example, some soaps could cause an odor on silver-plated fabrics.
- For these reasons, in collaboration with an eco-friendly detergent manufacturer, Yshield created a detergent that does not react negatively and protects body armor fabrics. TEXCARE detergent does not contain perfumes, dyes, complexing agents, preservatives, enzymes, genetically modified materials, petrochemicals, etc. All ingredients are 100% biodegradable!
- Usually, manufacturers of electrical devices recommend operating temperatures <40°C, so if you find that after using the shielding case there is a significant increase in the temperature of the device, you can return the shielding case within 1 month of purchasing the product.
- To keep your wireless device at a good temperature, we recommend that you place it in a well-ventilated area, on hard surfaces and not on soft / absorbent surfaces (e.g. not on a sofa / fabric chair), avoid placing it in places exposed to the sun, near radiators / air conditioners / heaters and near electrical appliances that heat up a lot. You can also turn off the wireless device when you are not using it (e.g. during bedtime). Finally, you can ventilate the wireless device with an inexpensive fan (e.g. with a fan or a ventilated laptop stand for devices that have a USB port).