

The device is designed for wireless charging the SG Smart Shot timer.

On the body of the device, there is a connector to which the power supply should be connected. For connection, a USB -> USB type C cable is used. As a power source, a user can use any AC adapter with a USB connector, a voltage of 5V, and a current of at least 500 mA (for example, a charger from a smartphone) can be used.

The device is based on the NXQ1TXH5 chip which implements the Qi protocol for communication and power transmission. The energy is transferred to a coil located in the device body at frequencies in the range of 110-205 kHz. The energy receiver is another coil located inside the SG Smart Shot timer housing.

More detailed information on the operation of the device can be obtained from the datasheet for the NXQ1TXH5 chip -

https://www.nxp.com/docs/en/data-sheet/NXQ1TXH5_SDS.pdf