

To verify the checksums, you can use "GtkHash" with Ubuntu Linux or, for example, "Checksums calculator" from Sigma Informatics with different operating systems.

GtkHash: Installation from [here](#) or with Synaptic (Ubuntu)

Checksums calculator: Download from [Sigma Informatics](#)

Checksums

(May 10, 2022)

File [p5-manual-02-2022.pdf](#) (Size: 13,184,969 Bytes)

md5: 4c56c7ebd10b07290c193611eeab6dc1

sha1: 860d7a46e2b0e57923b99c61e44e38e7e878a7d8

sha256: 525a46ebddaa4f8e12bddb7d47ea486115245a6db60852c669714c6513462e7c

crc32: b6edac4e

File [p5-program-02-2022.zip](#) (Size: 4,981,752 Bytes)

md5: 98b7507bd9b0d4f793e7a51fbb31517d

sha1: bf54dee45932e5ab3d23ac100ca467495f0369b5

sha256: 059d40207499b44ff2265be8ac83ce55e30b0ab3889720a67ec1f013b6f7cbbc

crc32: 0dad1e83