
traKmeter

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Loudness meter for correctly setting up tracking and mixing levels

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FLAC-compressed wave file (44.1 kHz, 16 bit, 8 channels)

Please verify correctness of peak and average meters visually.

Given levels describe the first channel. The other channels have been amplified in steps of +5.00 dB per channel (first test) and +1.00 dB (all other tests), respectively.

00:00.000 - 00:01.000 silence 00:01.000 - 00:03.000 sine wave (1000 Hz, -60.10 dB FS peak)

[signal meter ch. 1 should not light]
[signal meter ch. 2 should barely light]
[...]
[signal meter ch. 8 should fully light]

```
00:03.000 - 00:04.000
                       silence
00:04.000 - 00:06.000
                       sine wave (1000 Hz, -22.05 dB FS peak)
                       [peak meter ch. 1 should read -22.05 dB]
                                                                   [---]
                        [peak meter ch. 2 should read -21.05 dB]
                                                                   [LOW]
                        [peak meter ch. 3 should read -20.05 dB]
                        [peak meter ch. 4 should read -19.05 dB]
                        [peak meter ch. 5 should read -18.05 dB]
                        [peak meter ch. 6 should read -17.05 dB]
                        [peak meter ch. 7 should read -16.05 dB]
                        [peak meter ch. 8 should read -15.05 dB]
                        [RMS
                             meter ch. 1 should read -22.05 dB]
                        [RMS
                             meter ch. 2 should read -21.05 dB]
                                                                   [---]
                        [RMS
                             meter ch. 3 should read -20.05 dB]
                                                                   [---]
                             meter ch. 4 should read -19.05 dB]
                        [ RMS
                                                                   [LOW]
                             meter ch. 5 should read -18.05 dB]
                        [RMS
                             meter ch. 6 should read -17.05 dB]
                        [ RMS
                        [ RMS
                             meter ch. 7 should read -16.05 dBl
                             meter ch. 8 should read -15.05 dBl
                        [ RMS
                        [maximum meters should not be visible]
                       [all signal meters should fully light]
00:06.000 - 00:06.500
                       silence
00:06.500 - 00:08.500
                       sine wave (1000 Hz, -21.95 dB FS peak)
                       [peak meter ch. 1 should read -21.95 dB]
                                                                   [---]
                        [peak meter ch. 2 should read -20.95 dB]
                                                                   [LOW]
                        [peak meter ch. 3 should read -19.95 dB]
                        [peak meter ch. 4 should read -18.95 dB]
                        [peak meter ch. 5 should read -17.95 dB]
                        [peak meter ch. 6 should read -16.95 dB]
                        [peak meter ch. 7 should read -15.95 dB]
                        [peak meter ch. 8 should read -14.95 dB]
                             meter ch. 1 should read -21.95 dB]
                        [RMS
                             meter ch. 2 should read -20.95 dB]
                        [RMS
                                                                   [---]
                             meter ch. 3 should read -19.95 dB]
                        [RMS
                                                                   [---]
                        [RMS
                             meter ch. 4 should read -18.95 dB]
                                                                   [LOW]
                        [RMS
                             meter ch. 5 should read -17.95 dB]
                        [RMS
                             meter ch. 6 should read -16.95 dB]
                        [RMS
                             meter ch. 7 should read -15.95 dB]
                        [RMS
                             meter ch. 8 should read -14.95 dB]
                        [maximum meters should
                                                   be visiblel
                        [all signal meters should fully light]
```

```
00:08.500 - 00:09.500
                       silence
00:09.500 - 00:11.500
                       sine wave (1000 Hz, -15.05 dB FS peak)
                        [peak meter ch. 1 should read -15.05 dB]
                        [peak meter ch. 2 should read -14.05 dB]
                                                                   [H0T]
                        [peak meter ch. 3 should read -13.05 dB]
                                                                   [H0T]
                        [peak meter ch. 4 should read -12.05 dB]
                                                                   [HOT]
                        [peak meter ch. 5 should read -11.05 dB]
                                                                   [HOT]
                        [peak meter ch. 6 should read -10.05 dB]
                                                                   [HOT]
                        [peak meter ch. 7 should read -9.05 dB]
                                                                   [HOT]
                        [peak meter ch. 8 should read -8.05 dB]
                                                                   [HOT]
                        [RMS
                             meter ch. 1 should read -15.05 dB]
                        [RMS
                             meter ch. 2 should read -14.05 dB]
                        [RMS
                             meter ch. 3 should read -13.05 dB]
                             meter ch. 4 should read -12.05 dB]
                        [ RMS
                             meter ch. 5 should read -11.05 dB]
                        [RMS
                             meter ch. 6 should read -10.05 dB]
                        [ RMS
                        [ RMS
                             meter ch. 7 should read -9.05 dBl
                             meter ch. 8 should read -8.05 dBl
                        [ RMS
                                                                   [HOT]
                        [maximum meters should not be visible]
                       [all signal meters should fully light]
00:11.500 - 00:12.000
                       silence
00:12.000 - 00:14.000
                       sine wave (1000 Hz, -14.95 dB FS peak)
                       [peak meter ch. 1 should read -14.95 dB]
                                                                   [HOT]
                        [peak meter ch. 2 should read -13.95 dB]
                                                                   [HOT]
                        [peak meter ch. 3 should read -12.95 dB]
                                                                   [HOT]
                        [peak meter ch. 4 should read -11.95 dB]
                                                                   [H0T]
                        [peak meter ch. 5 should read -10.95 dB]
                                                                   [H0T]
                        [peak meter ch. 6 should read
                                                      -9.95 dB1
                                                                   [H0T]
                        [peak meter ch. 7 should read -8.95 dB]
                                                                   [H0T]
                        [peak meter ch. 8 should read
                                                       -7.95 dBl
                                                                   [HOT]
                             meter ch. 1 should read -14.95 dB]
                        [RMS
                             meter ch. 2 should read -13.95 dB]
                        [RMS
                             meter ch. 3 should read -12.95 dB]
                        [RMS
                        [RMS
                             meter ch. 4 should read -11.95 dB]
                        [RMS
                             meter ch. 5 should read -10.95 dB]
                        [RMS
                             meter ch. 6 should read -9.95 dB]
                        [RMS
                             meter ch. 7 should read -8.95 dB]
                                                                   [HOT]
                        [RMS
                             meter ch. 8 should read -7.95 dB]
                                                                   [HOT]
                        [maximum meters should
                                                   be visiblel
                       [all signal meters should fully light]
```

00:14.000 - 00:15.000 silence

Validation settings

File: peak_meter.flac

Host SR: 44 100 Hz

Channel: All

Display: [x] Average meter level

[x] Peak meter level