

Kedok, Acoustic rifle scope for the visually impaired.

Instructions:

Before use, the receiver must be adjusted.

This can be done manually or automatically.

Automatic:

Press the "Right" key for 3 seconds, the screen will show "Auto adjust" and the shooter will hear two beeps through headphones.

One gets 20 seconds to get set. The measurements start after the following beep, the shooter must try to aim in such a manner he gets the highest pitch, after about 20 seconds. the shooter will hear three beep tones.

The weapon is now set automatically. The shooter does not have to fire during this session.

Manual:

The best way is to read the sensor value during a shooting session.

Minimum value can be entered via the menu [MIN], enter a minimum value about 20 lower than the lowest value read ([Low] value in the display).

The maximum value can be entered via the menu. [MAX]

Pitch will be in Within these values through headphones.

The better you set these values, the better the results will be shot.

With [Gain] allows you to make the pitch more progressive.

This means that the closer you come to the center, the more change in pitch is observed. A good value to start with is a Gain of 0.

The pitch can also be set with the menu options [LowTone] and [HighTone] "low tone" is the lowest tone when you're on the outside of the card and "high tone" the highest tone in the center.

If you want configure the unit for the first time, set the minimum value to 100 and the maximum value to 800.

During a shooting session you can read the lowest value on the display.

Then go to the menu and set this value minus 20 for [MIN] and set [MAX] 200 higher than the minimum value.

Example:

During a shooting session you will read that the lowest measured is 380. Then, enter 360 in the menu [Min] and 560 to [Max]. Set gain to a value that the shooter observe the best details.

If the shooter hear three beeps while aiming, then the minimum value is exceeded.

Lower the [MIN] value in the menu. The shooter can also do this during a shooting session.

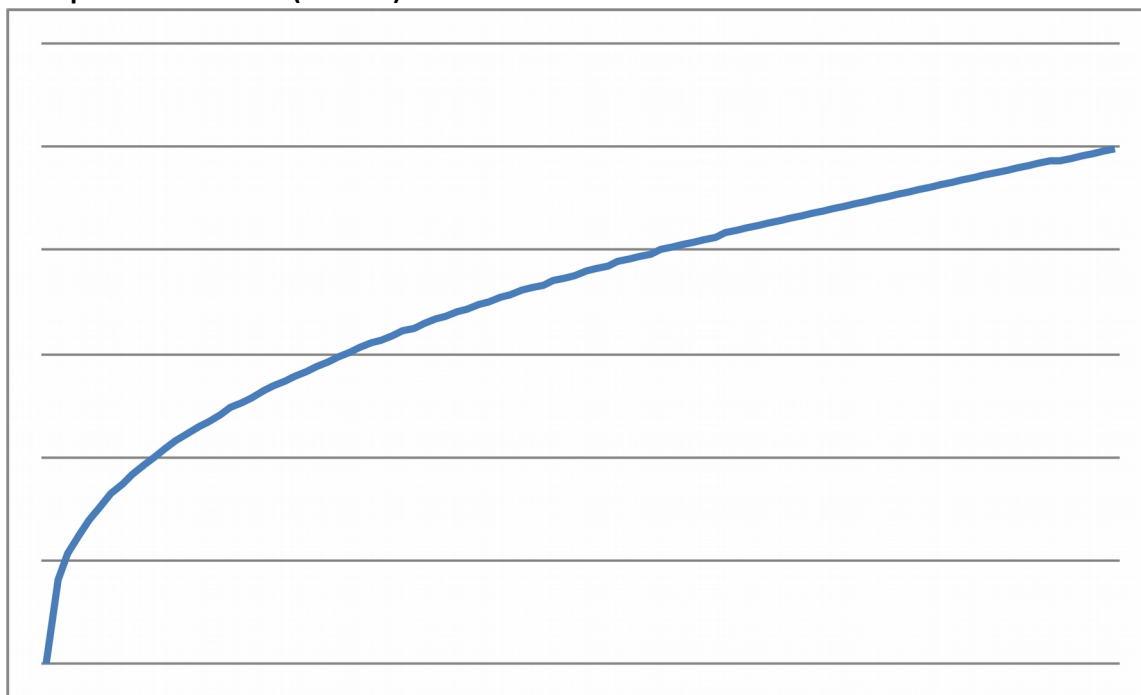
With the UP and DOWN buttons the shooter's can increase or decrease the operating window with 10.

By this a shooter does have to stop a serie with an incorrect setting. He presses the DOWN button and can continue his series.

Note: All cables must be connected before the unit is turned on.

Always follow safety guidelines for armed subjects.

Example effect of Gain. (Set of 4)

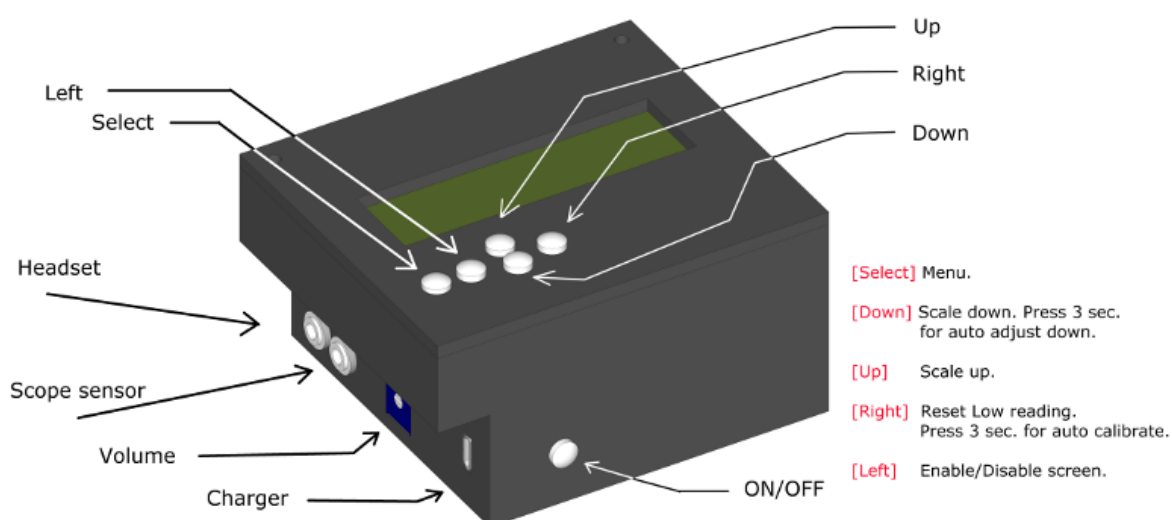


Battery charging is via the mini USB port on the side. Charging the battery takes about one hour. With a single charge you can shoot a minimum of eight hours.

If the device has been set, you can turn the display off. This can be done with the [LEFT] key. (disable screen) This value can also be set in the menu under the [Display] set it to "None". This increases the speed in which the sensor is read out.

All settings are stored in the unit, under normal circumstances, does not longer have to be set.

Recommended lamp for illuminating the card is a Philips Master Line ES 18 142 45W 8°



Settings
MIN: 100

Met deze setting kunt u de laagst gemeten waarde zetten. (Centrum van de kaart)

Settings
MAX: 800

Maximale waarde. (Buitenrand kaart)

Settings
Threshold: 150

Venstergrote waarin er al een vaste toon hoorbaar is buiten de kaart . Dit maakt het makkelijker om de kaart te vinden. (0 tot 190)

Settings
Curve: 0

Geluidskromme. (0 tot 5)

Settings
Pitch rev: N

Omkeren van toon hoogte, Van hoog naar laag of omgekeerd.

Settings
AutoWindow: 200

Venstergrote van automatische detectie tijdens automatisch instellen.

Settings
LowTone: 100

Laagste toon via de koptelefoon in Hz.

Settings
HighTone: 1750

Hoogste toon via de koptelefoon in Hz.

Settings
Display: None

Display weergave (Geen, staafdiagram of waarde)

Settings
Logging: Off

Debug optie voor opname schietbewegingen. Alleen voor gebruik van software ontwikkelaars.

Settings
Reset ALL: N

Zet alle instellingen terug naar de fabriekswaarden.

Kedok, open-source audio richteenheid voor visueel beperkte schutters.

Web site: <http://acoustic-shooting.blogspot.nl>

Software updates kunt u vinden op: <https://github.com/WimHager/Kedok>