

# QMDLite User Guide



This guide provides details on using and getting the most from your QMDLite Stroke Trainer. More information is also available on our website, [www.Cue-MD.com](http://www.Cue-MD.com).

Any questions or comments are welcome, please contact our customer support for any concern you have at [info@cue-md.com](mailto:info@cue-md.com). We value and look forward to your feedback.

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## What QMDLite does

QMDLite is a highly sensitive orientation/motion sensing device specifically designed to aid you in developing a smooth, consistent and straight billiards stroke.

- While in use QMDLite alerts you with an instant, audible tone when your warm-up or final strokes move laterally off-line. The audible feedback allows you to immediately pinpoint any stroke flaws, allowing you to adjust and attain a truly straight stroke. QMDLite conditions you to the feel of a straight stroke, improving your shot consistency and accuracy.
- The audible tones are different for laterally left or right off-line movements, helping you adjust your stroke accordingly. The tones are subtle and you should use QMDLite in a quiet practice environment to let you hear and focus on its feedback.
- QMDLite has three stroke alert sensitivity settings, from beginner to advanced. You can challenge yourself to improve by advancing through the levels in your practice drills. The goal is to consistently 'keep it quiet' during warm-up and final strokes, indicating that your stroke is straight without lateral off-line movements.

By providing you with instant feedback about stroke flaws QMDLite aids in developing/refining your stroke and improving your playing results.

## What's in the box

Your QMDLite package includes...

- The QMDLite unit
- Adjustable mounting strap
- USB charging cable
- Storage case



## Getting Started

QMDLite is a training aid designed to help you develop a smooth, consistent, STRAIGHT pool stroke. It's a very sensitive orientation/motion sensing device you attach to your pool cue. While you are stroking the device will immediately beep if your stroke moves off-line laterally. The idea is to provide you with instant feedback while you are stroking in order to condition you to the feel of a straight stroke and to pinpoint for you the parts of your stroke that may be going off line. If you're able to keep QMDLite quiet you're stroking well, if not focus on the problem parts of your stroke and work at straightening them out. Your stroke is a highly individual part of your game. There's lots of different stroke styles that are effective but the common denominator of the best shooters is a laterally straight stroke.

QMDLite should be firmly attached to your cue. We'd suggest attaching it to the joint area of your cue though you can try out other areas such as the butt. The rounded end of QMDLite should point towards the cue tip, the square, open end (with the switch) should point towards the butt. While in use the QMDLite unit doesn't need to be kept on the top of your cue, but you will get the most accurate results if you do.

After attaching QMDLite to your cue turn it on by sliding the switch one position to the left. A red light will go on, an Oscar Meyer Weiner whistle startup tone will play and then you'll hear one beep. This means you are at difficulty level 1, the easiest level. Turn the unit off by sliding the switch to the right, then slid the switch two positions to the left, you'll hear the start-up tone and two beeps for difficulty level 2. Repeat, sliding the switch left to the last position and you'll get three beeps for level 3, the most difficult.

Now, set QMDLite to the difficulty level you'd like to start your practice session with. You can change the difficulty level at any time while you're practicing.

**IMPORTANT:** Whenever turning on QMDLite be sure your cue is laying still and flat on the table and QMDLite is oriented in a flat horizontal position on the top of your cue. This saves QMDLite time in figuring out which way is down.

Try some warm up strokes with QMDLite turned on. During your warm up strokes purposely swerve your cue tip to the left. You should hear a single quick tone. Now purposely swerve right. You should hear two quick tones. These tones are telling you if you're stroking off line and if you're off to the left or to the right.

QMDLite is programmed so the tones will go off when your cue is simultaneously moving BOTH laterally AND forward/backward. How sensitive it is to the lateral movement is controlled by the difficulty setting you have set with the switch.

QMDLite is programmed to suppress any sound for about 1/2 second between tones. This stops it from emitting a quick succession of tones.

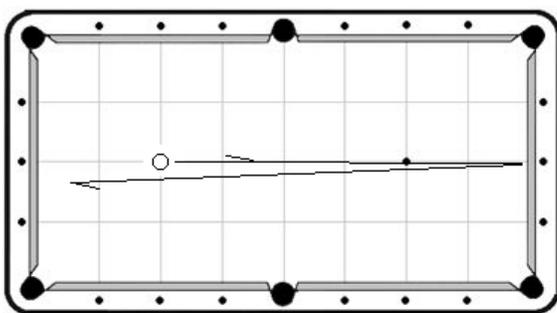
When QMDLite detects a shot (impact with the cue ball) it will emit a quick succession of tones – a 'chirp'. QMDLite is programmed to suppress any sound for about 2 seconds after a shot is detected. This gives you a chance to get down on and start lining up your next shot before the tones begin again. Sometimes abrupt movements of your cue will fool QMDLite into thinking a shot has occurred and it will chirp and suppress any sound for 2 seconds. Try to move smoothly while you're practicing to avoid inadvertently suppressing the tones.

QMD is also programmed to suppress sound when the cue tip is pointing upward, about 20 degrees or more above horizontal. This lets you suppress any sound when moving around the table by holding the cue with the cue tip pointed slightly upward. When you lower your cue into a shooting position the tones will start again.

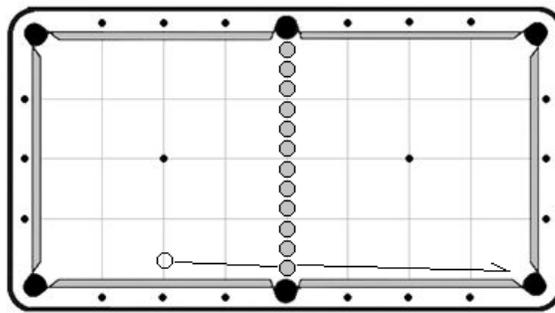
QMDLite should run for 2-3 hours before needing a re-charge. To recharge slide the switch all the way to the right to the OFF position and connect to a powered USB port with the cable provided. An orange light will go on while charging and go off when the charge is complete. (Note: Be gentle when connecting the cable, the port is a bit fragile.)

## Practicing with QMDLite

Once you're familiar with how QMDLite works give it a workout in a practice session. Here's a couple basic drills for developing a straight stroke you can try. Feel free to use other drills you may be familiar with.



Drill 1



Drill 2

### **Drill 1**

Set QMDLite to difficulty level 1.

Setup cue ball on spot as shown.

Before each shot, take a few smooth warm up strokes until you can keep QMDLite quiet before the final stroke.

Shoot cue ball with a slow/medium speed into the center of far short rail so it returns straight back over the spot, then repeat.

The goal is to keep QMDLite quiet during warm-ups and the final stroke – all you should hear is the 'chirp' when you hit the ball.

Now repeat using increased difficulty settings AND keeping QMDLite quiet during your warm-ups and final strokes.

### **Drill 2**

Set QMDLite to difficulty level 1.

Setup 12 balls as shown, place cue ball by hand for straight-in shots and (try to) pocket the balls with a stop shot in order, right-to-left, first half into right corner, second half into left corner.

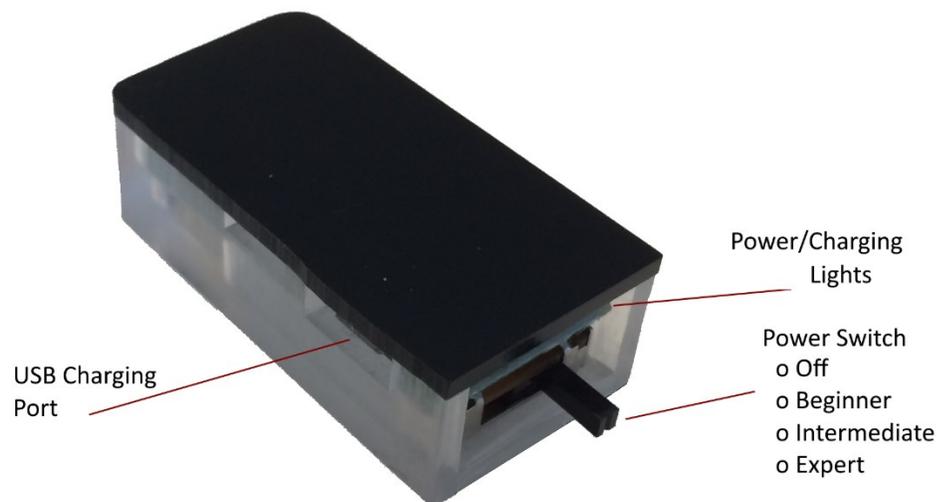
Before each shot, take a few smooth warm up strokes until you're keeping QMDLite quiet before a final stroke.

Once again, the goal is to keep QMDLite quiet during warm-ups and the final stroke – all you should hear is the 'chirp' when you hit the ball.

After pocketing all the balls, repeat using increasing difficulty levels AND keeping QMDLite quiet during your warm up strokes.

## Operating/Charging your QMDLite unit

Shown here are the parts of the QMDLite unit and charging instructions.



You should mount the QMDLite unit firmly on your cue using the adjustable strap. The rounded end of the unit should face toward the cue tip and the open end (with the switch) towards the butt of your cue. Lay your cue flat and steady on the table with the unit oriented on the top of your cue when turning on the unit. Then wait a few moments before starting to use.

The sliding power switch has 4 positions - Off, Beginner, Intermediate and Expert Levels. Slide the switch to the left to your desired practice level or to the far right to turn the unit off. A red LED will light when the unit is powered on. When sliding the switch to a practice level the QMDLite device will beep – once for beginner, twice for intermediate and three times for expert level.

When using QMDLite the red power light will flicker or go off when the unit's battery is low and needs recharging. Your unit will perform erratically if used with a low battery.

The USB charging port is used for charging your unit's internal LIPO battery. Connect with a powered USB port using a standard USB Micro-B cable for charging your unit. **The Power switch should be in the off position (all the way to the right) when charging.** When plugged into a USB port for charging the orange charging indicator LED will appear, it goes out when the charge is completed. Your unit will operate for approximately 2-3 hours with a fully charged battery. The battery will recharge in about one hour. As with all rechargeable batteries, operating time slowly degrades with age and usage.