



USER GUIDE

Model SDP1 - Application v2.2

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PRODUCT OVERVIEW

The ShotDot SDP1 is a shot recording device that fits into the grip cavity of most Glock pistols. It achieves a shot recording accuracy of 99.9% with compatible firearm configurations and timestamps all recorded events to a precision of a hundredth of a second. Its storage capacity is 20,000 shots.

RECORDED EVENTS

The ShotDot records shot events, insertion and removal events and time set events. Insertion and removal events are respectively recorded when the ShotDot is installed into, and removed from, a compatible firearm. A time set event is recorded when the ShotDot clock is synchronized with a Windows clock.

TIMESTAMP CORRECTION

Like all clocks, the ShotDot clock may gradually lose accuracy after synchronization. To ensure timeline accuracy, the ShotDot Application provides a highly accurate timestamp correction feature (see Calibrated Data).



IMPORTANT: *If an event occurs for which you require a highly accurate timeline, connect your ShotDot to the Application as soon as possible. Timestamp correction is only available for 24 hours after an event.*

COMPATIBILITY

FIREARMS

Standard factory issue models of Glock 17 Gen 4, Glock 17 Gen 5, Glock 19 Gen 4, Glock 19 Gen 5, Glock 45 and Glock 47.

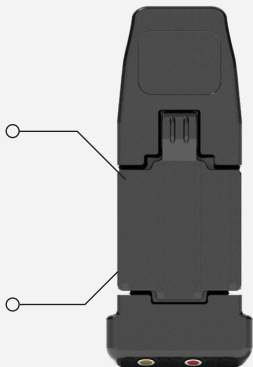
AMMUNITION

9 mm between 115 and 147 grain with a muzzle velocity between 990 and 1150 FPS.

WHAT'S IN THE BOX

SDP1 battery cover

SDP1 battery seal



ShotDot SDP1



M4 set screw



ShotKey



Energizer
CR1632 battery



USB Adapter



User Guide

INITIAL SETUP

Follow the steps below or go to <https://shotdotusa.com/onboarding-videos/> for instructional videos on ShotDot setup and operation.



ONBOARDING VIDEOS

SYNCHRONIZE WINDOWS CLOCK

The ShotDot SDP1 relies on your PC to provide an accurate reference time. To maximize accuracy of ShotDot timestamps, synchronize your Windows clock with an internet time server before each use of the ShotDot Application:

- Right click your Windows clock then click "Adjust date and time".
- Under "Additional settings", click "Sync now".

INITIAL SETUP

INSTALL APPLICATION

- Download and run ShotDot Setup 2.2.0.exe on a Windows 10 or 11 PC. The installer can be downloaded from <https://shotdotusa.com/download-application/>.



DOWNLOAD APPLICATION

- For future ease of access, right click the Application thumbnail then click "Pin to task bar".
- If this is your first time using the Application, create an account. A maximum of 10 accounts per PC can be created.
- Insert the USB Adapter into a USB-A port on your PC and continue to ShotDot Setup.

SHOTDOT SETUP

The setup process requires you to assign the ShotDot SDP1 to a specific firearm and officer. Carefully check the details you enter as data saved to a ShotDot cannot be modified or deleted. Firearm reassignments are not permitted. New officers can be assigned up to a maximum of 10.



There may be a few insertion and removal events with 1969 timestamps preloaded onto the ShotDot. These are from factory validation testing and are not user data.

- Remove battery cover from ShotDot. Battery seal should stay attached to cover.
- Insert CR1632 battery into ShotDot in either orientation. LED on opposite side will flash green then red.
- Replace battery cover with seal.
- Follow Application prompts to connect ShotDot. Confirm LED is lit green before continuing.
- Assign firearm and officer details.
- Record battery insertion date using BATTERY STATUS widget on home screen and schedule next battery change. To ensure continuity of ShotDot operation, replace battery every six months.
- Click DISCONNECT ShotDot icon then confirm green LED is off. The ShotDot is now ready for installation.

INSTALLATION

- Remove backstrap and grip plug (if applicable).
- Insert ShotDot into Glock grip cavity behind magazine well.
- Reinstall backstrap (if applicable).
- Insert set screw into hole at bottom of textured area of grip. Screw it in gently using 4 mm hex drive end of ShotKey. Do not overtighten (max. 5 in-lbs of torque). Non-permanent thread locking compound can be used if desired.

VALIDATION

- Follow Application prompts to connect ShotDot.
- On home screen, confirm ShotDot clock is set accurately and officer details are correct.
- On calibrated data screen, confirm a recent insertion event is shown.



IMPORTANT: Click *DISCONNECT* ShotDot icon and confirm Application returns to the ShotDot connection screen. Always disconnect the ShotDot from the Application before operational use.

APPLICATION

SYNCHRONIZE WINDOWS CLOCK

The ShotDot SDP1 relies on your PC to provide an accurate reference time. To maximize accuracy of ShotDot timestamps, synchronize your Windows clock with an internet time server before each use of the Application:

- Right click your Windows clock then click "Adjust date and time".
- Under "Additional settings", click "Sync now".

CONNECTING

Run the Application and follow the prompts to connect your ShotDot. Confirm officer details on home screen are correct before continuing.

HOME

The home screen shows an overview of the current ShotDot clock time and the officer and firearm the ShotDot is assigned to. Widgets for tracking battery replacement and firearm maintenance dates are also provided.

APPLICATION

TIME

The time screen shows current time as reported by the connected ShotDot, and by the PC the Application is running on. Current ShotDot time offset reports the difference between these two sources of time.

The SYNC NOW button synchronizes the clock on the connected ShotDot with your Windows clock, which zeros the ShotDot time offset. Use the SYNC NOW feature regularly to maximize the accuracy of ShotDot raw data timestamps. Like all clocks, the ShotDot clock may gradually lose accuracy after synchronization.

OFFICERS

The officers screen shows a list of which officers the connected ShotDot has been assigned to and when these assignments were made. The ShotDot SDP1 can be assigned to a maximum of 10 new officers.

FIREARM

The firearm screen shows which firearm the connected ShotDot has been assigned to and when this assignment was made. The ShotDot SDP1 does not permit firearm reassignments.

APPLICATION

RAW DATA

The raw data screen presents original event data exactly as it is stored on the connected ShotDot. Raw timestamps are generated by the ShotDot clock in real time as events are recorded.



IMPORTANT: Accuracy of raw timestamps is dependent on accuracy of ShotDot clock at the time each event was recorded. To access event data with corrected timestamps, use the calibrated data feature.

APPLICATION

CALIBRATED DATA

The calibrated data screen presents eligible event data from the connected ShotDot with timestamps corrected for any inaccuracy. Calibrated timestamps are automatically generated by the Application during the ShotDot connection process. All calibrated data generated is stored on the PC the Application is running on and can be retrieved using the offline data feature. Calibrated data is not stored on the ShotDot.

For an event to be eligible for timestamp correction, it must be a shot, insertion or removal event that occurred within the last 24 hours and after the most recent ShotDot clock synchronization and battery insertion.



IMPORTANT: *If an incident occurs for which you require a highly accurate timeline, connect each ShotDot involved to the same Application as soon as possible and without allowing the PC to enter a sleep state. **Calibrated data can only be generated within 24 hours of an event.***

APPLICATION

OFFLINE DATA

All data accessed by a ShotDot Application is stored locally on the PC the Application is running on. It can be retrieved on that same PC in offline data. A shortcut to offline data is provided on the ShotDot connection screen.

Offline data can be used to compare and synthesize data from different ShotDots over a specified date range. Select the data type and officers you wish to view data for then click DISPLAY DATA.

DATA PRESENTATION

All data screens by default present data in a tabular format. To switch to a graphical representation of the data, use the TABLE/GRAPH toggle switch.

FILTERING

All table data can be filtered by date and event type using the input fields at the top of each table. It can also be sorted by date by clicking the up/down arrow next to the DATE heading.

Use the scroll wheel on your mouse to zoom in or out of a graph. While zoomed in, a click and drag moves the applied zoom along the time axis. Alternatively, click the ZOOM icon at the top right of the graph then click and drag over a section of data to zoom in.

APPLICATION

EXPORTING

While viewing any table, click the CSV or PDF icon to export the table in the selected file format. Data is exported with the currently selected filtering options applied.

While viewing any graph, click the SAVE TO PDF icon to export the graph with the current zoom level applied.

DISCONNECTING



IMPORTANT: Click **DISCONNECT** ShotDot icon and confirm Application returns to the ShotDot connection screen. Always disconnect ShotDot from the Application before operational use.

REMOVAL

- Remove set screw from hole at bottom of textured area of grip using 4 mm hex drive end of ShotKey.
- Remove backstrap (if applicable).
- Remove ShotDot from Glock grip cavity by gripping tightly and pulling directly away from cavity.

BATTERY REPLACEMENT

TYPE

The ShotDot SDP1 is powered by a CR1632 lithium battery. Only genuine lithium batteries from reputable manufacturers such as Energizer or Duracell should be used.

SCHEDULE

Replace battery every six months to ensure continuity of ShotDot functionality.

STEPS

- Push out old battery using flat end of ShotKey then wait 60 seconds for ShotDot to fully power down.
- Insert new CR1632 lithium battery in either orientation. LED will flash green then red.
- Record date of new battery insertion and schedule next battery change.



IMPORTANT: Connect ShotDot to the Application and synchronize ShotDot clock using SYNC NOW button on time screen. The ShotDot clock resets to Dec 31, 1969, when it powers down.



IMPORTANT: Click DISCONNECT ShotDot icon and confirm Application returns to the ShotDot connection screen. Always disconnect ShotDot from the Application before operational use.

MAINTENANCE

SHOTDOT

To clean the ShotDot, wipe with a water-dampened microfiber cloth. Do not apply any cleaning chemicals directly to the body of the ShotDot.

FIREARM

If spraying a rag to wipe down your firearm for a quick clean, it is fine to leave the ShotDot installed. Remove the ShotDot before performing a deep clean of your firearm.

ENVIRONMENTAL RATINGS

TEMPERATURE

Operating range -4 to +122 °F; storage range -40 to +176 °F.

DUST AND WATER INGRESS

IP57-rated (when installed in a compatible Glock).

TROUBLESHOOTING

GENERAL

If a ShotDot is not functioning as expected, replace the battery. If the LED does not flash green then red upon insertion of a new battery, or the unexpected behavior continues, contact customer support.

1969/1970 TIMESTAMPS

If a ShotDot is reporting 1969 or 1970 timestamps on user data, the ShotDot clock was not set when that data was recorded. The ShotDot clock resets to Dec 31, 1969, when it powers down. Connect ShotDot to the Application and synchronize ShotDot clock using SYNC NOW button on time screen. Always disconnect the ShotDot from the Application before operational use.

UNEXPECTED DISCONNECTION

If a ShotDot is unexpectedly disconnecting from the Application, place the ShotDot closer to the USB Adapter and try again. If this behavior continues, replace the ShotDot battery.

ERROR MESSAGE

If the ShotDot Application shows you an error message, contact customer support.

CUSTOMER SUPPORT

Phone: +1 (801) 392-9010.

WARRANTY

All ShotDots and supplied components are subject to the limited warranty in the Terms and Conditions and warranted against defects for one year from the date of purchase. If you experience problems with your ShotDot which violate the warranty, you may request a replacement.



Shots Count®
Version 2.1

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