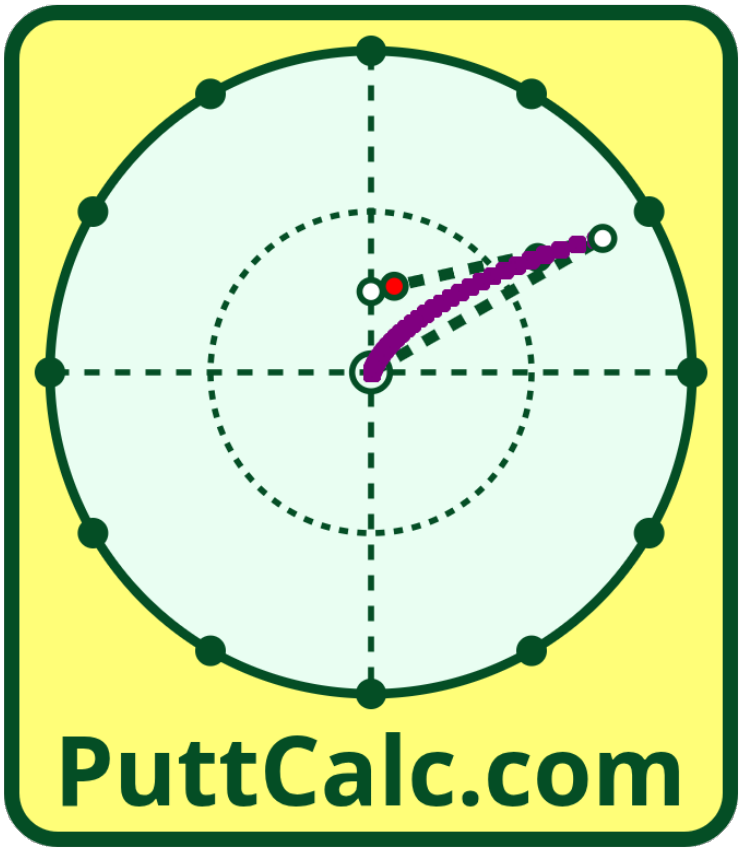


PuttCalc User Manual

Dashboard

Software Version: 0.9.7.2

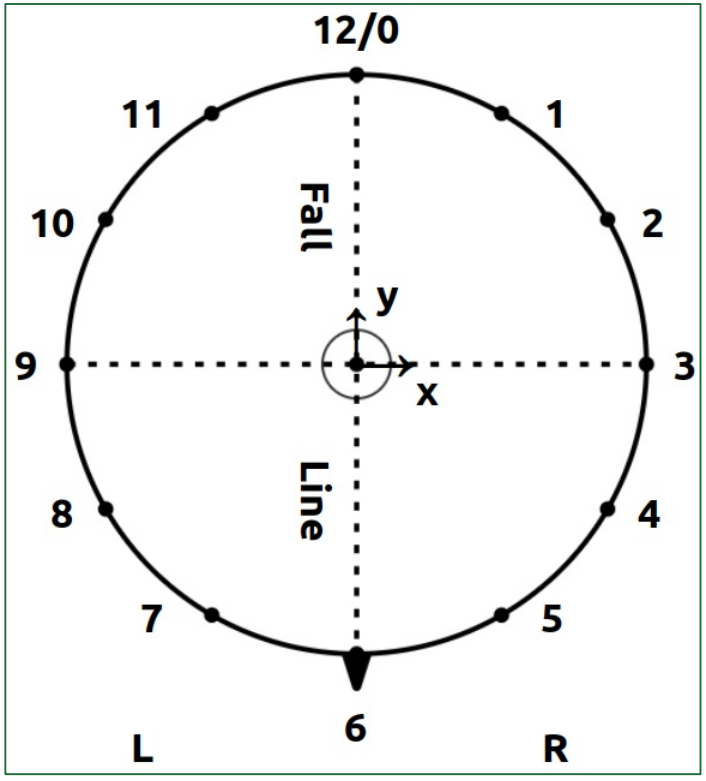
Manual Date: May 3, 2026

Contents

User Interface Hints and Messages

- The user interface often provides hints or descriptions when you hover the cursor over an object (this doesn’t work on mobile devices).
- If an input is out of range, or missing when required, an alert message will pop up with an explanation.
- Note: If you rotate your mobile device between landscape and portrait orientations, then the web pages will reorient and resize to fit the window.

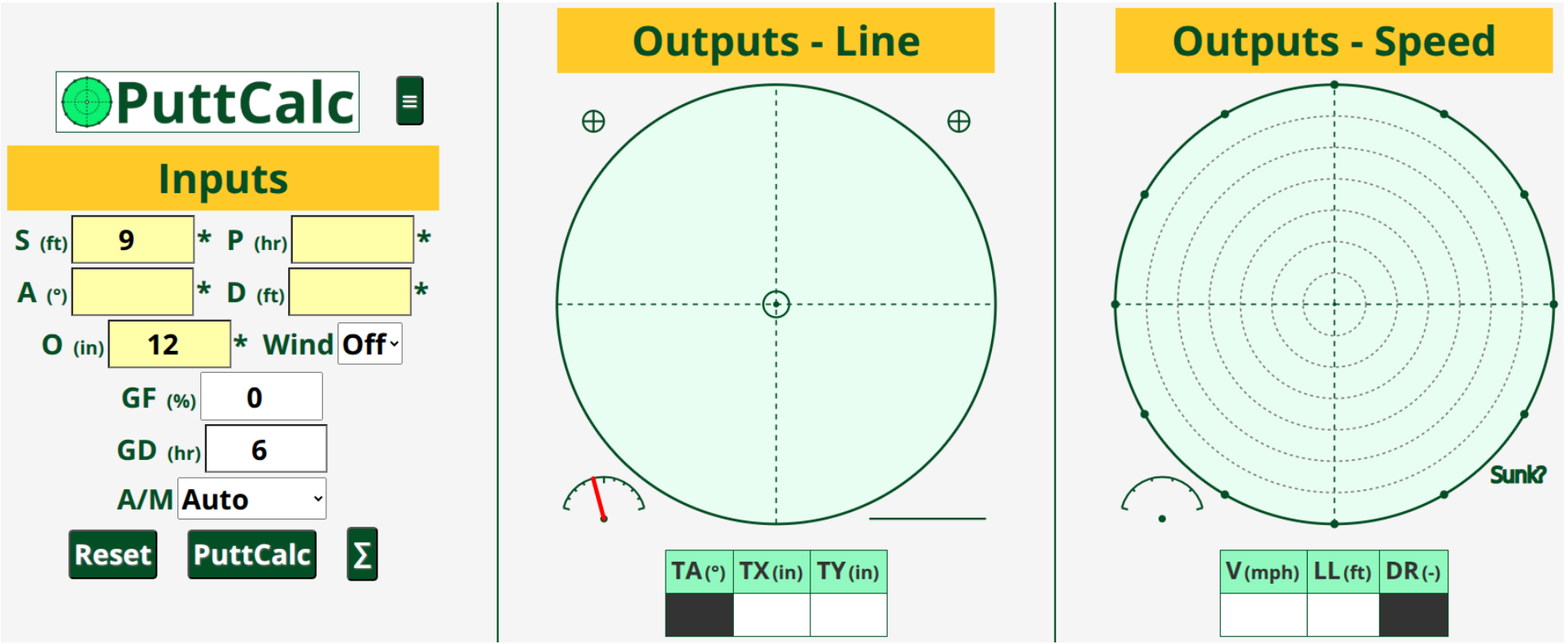
Position Clock



PuttCalc uses the clockface method to locate the initial ball position relative to the center of the hole, oriented such that the Fall Line, i.e., the straight downhill direction, goes from 12 o'clock to 6 o'clock.

An x-y coordinate system is also centered on the hole, as shown here.

Dashboard (Initial Screen)



Dashboard - Inputs (Auto)

S – **S**timp (green **S**peed)

A – **A**ngle (slope)

P – **P**osition (on clock face)

D – **D**istance (to hole center)

O – **O**verrun distance

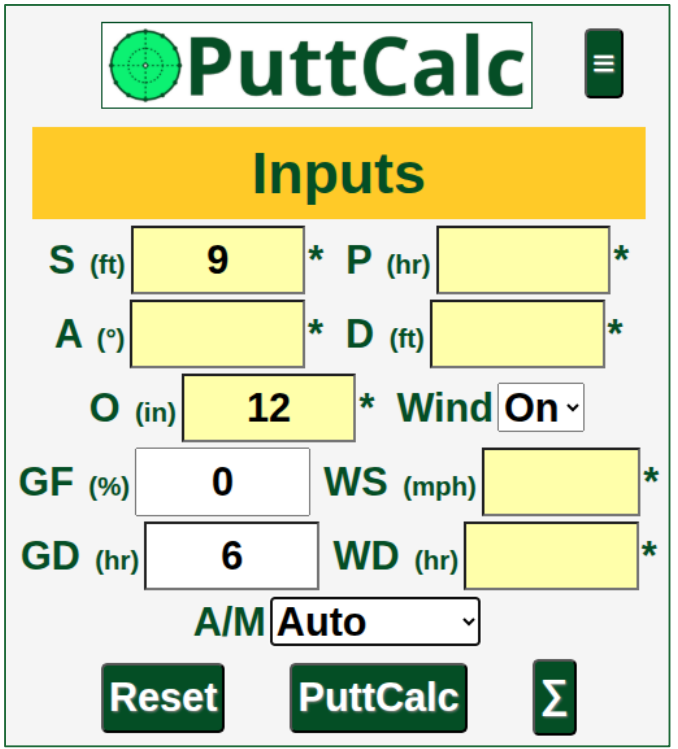
GF – **G**rain **F**actor

GD – **G**rain **D**irection

WS – **W**ind **S**peed

WD – **W**ind **D**irection

A/M – **A**uto (solve) / **M**anual



≡ Link to navigation menu

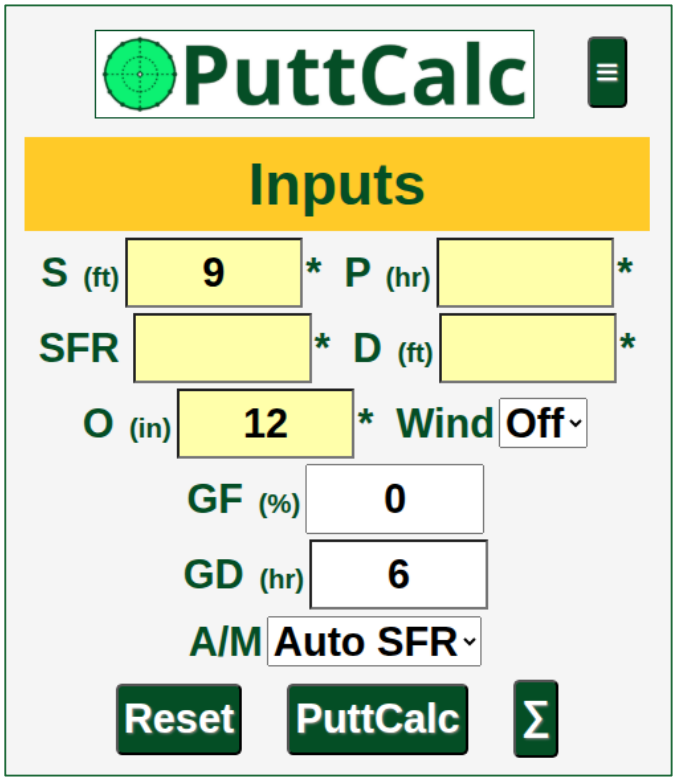
Reset Click to enter new Inputs

PuttCalc Click to submit the Inputs

Σ Link to Putt Summary page

Dashboard - Inputs (Auto SFR)

SFR – **S**lope-**F**riction **R**atio



Same as Dashboard - Inputs (Auto), except Angle (slope) is replaced by Slope-Friction Ratio (explained in PuttCalc book).

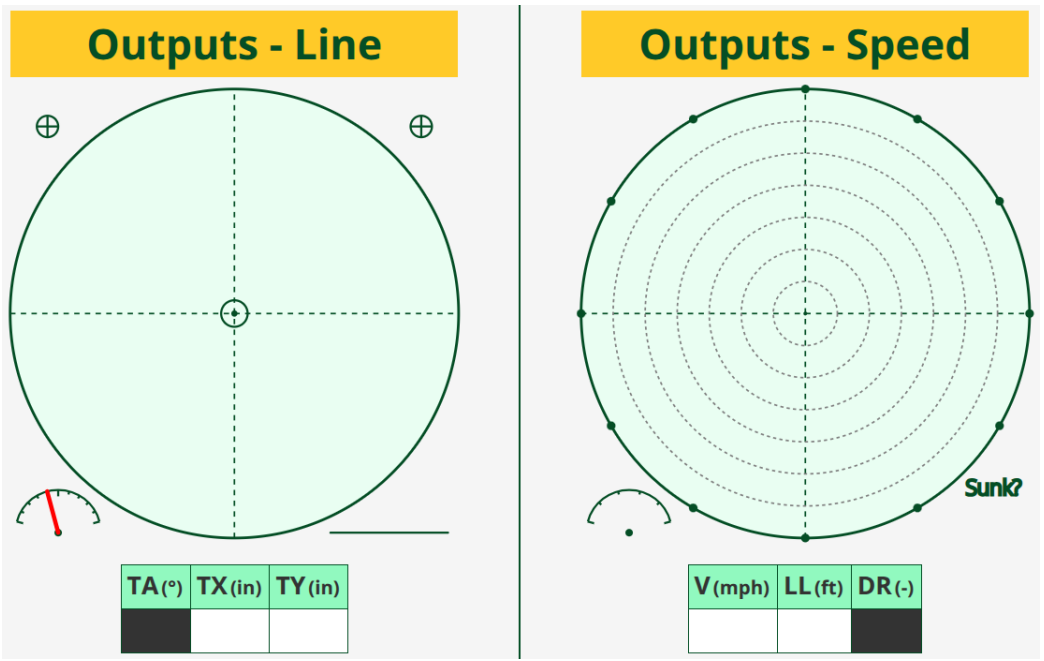
Dashboard - Outputs

Line (Target)

TA – **T**arget **A**ngle

TX – Coordinate of **T**arget point on **X**-axis (if applicable)

TY – Coordinate of **T**arget point on **Y**-axis (if applicable)



Speed (Distance)

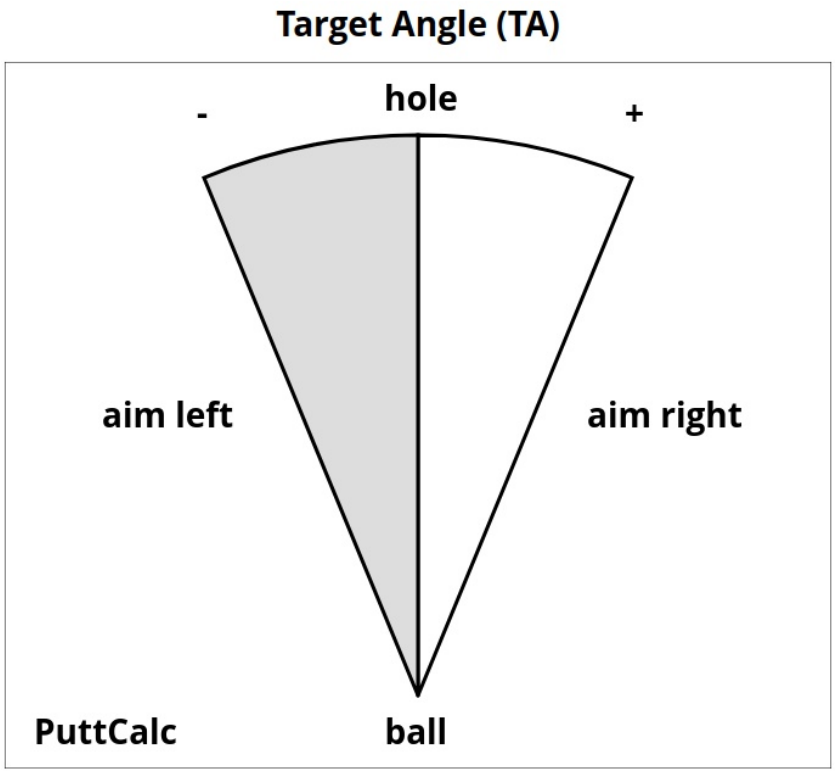
V – Putt launch speed (**V**elocity)

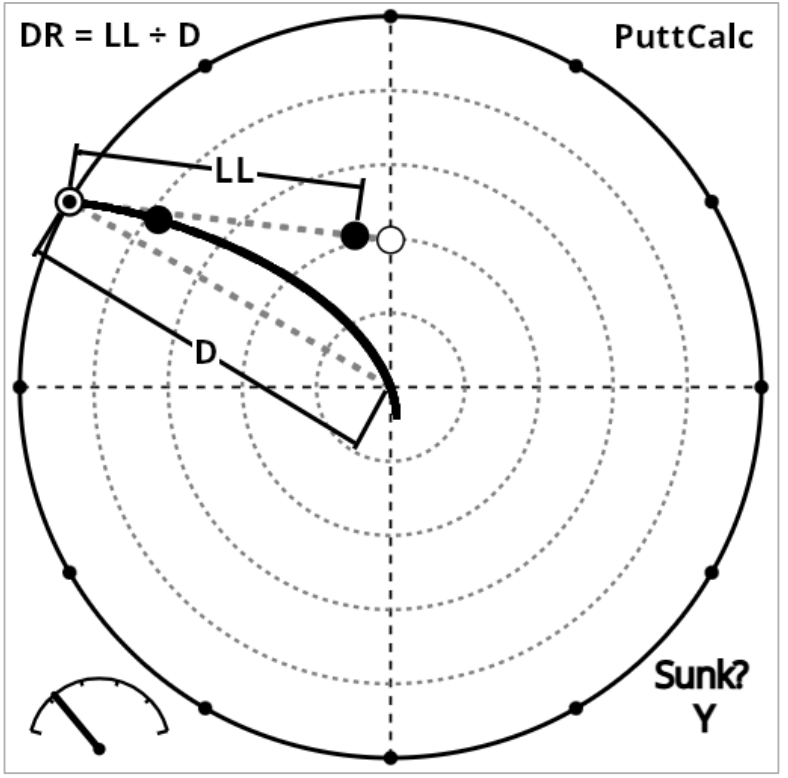
LL – **L**evel **L**ength: distance ball would travel in straight line at zero slope given speed V

DR – **D**istance **R**atio: ratio of level length \ (at speed V) to hole distance

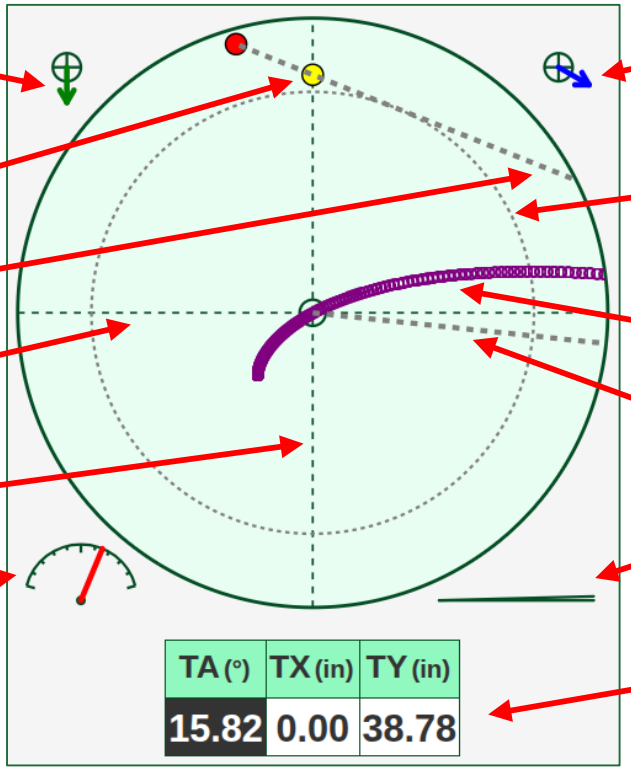
Dashboard outputs cannot be bookmarked, but see the Putt Summary page.

Target Angle, and Distance Ratio

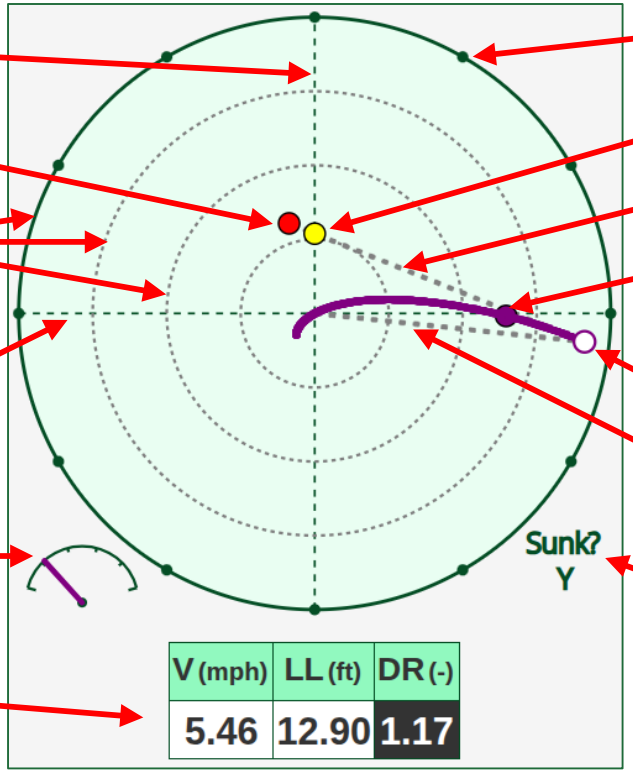




Outputs – Line - Example



Outputs – Speed - Example



Y-axis, and fall line

Level length point on target line

3’ radius increment circles

X-axis

Launch speed speedometer (0 to 25 mph)

Numerical results

Hour mark

Target point on axis

Target line

Start of pure rolling

Ball position

Hole line

Sunk putt?

Putt Summary - Example

PuttCalc Putt Summary

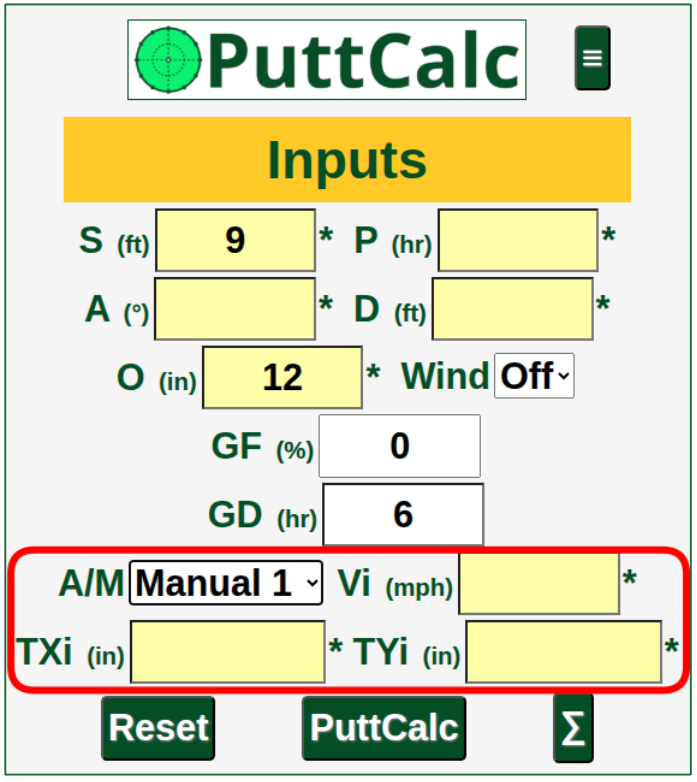
Calculation Timestamp		
2026-01-08_T03:03:31_CST		
Inputs		
Stimp (S)	11.5	ft
Slope (A)	1.5	°
Slp.-Frict. Ratio (SFR)		°
Distance (D)	11	ft
Position (P)	3.2	hr
Overrun (O)	12	in
Grain Factor (GF)	10	%
Grain Direction (GD)	6	hr
Wind Speed (WS)	5	mph
Wind Direction (WD)	4	hr

Inputs (continued)		
Mode	Auto	
Launch Speed (Vi)		mph
Trgt. X-Coord. (TXi)		in
Trgt. Y-Coord. (TYi)		in
Distance Ratio (DRi)		–
Slp.-Frict. Ratio (SFRi)		°
Target Angle (TAi)		°
Outputs		
Target Angle (TA)	15.825	°
Trgt. X-Coord. (TX)	0	in
Trgt. Y-Coord. (TY)	38.776	in
Launch Speed (V)	5.465	mph
Level Length (LL)	12.904	ft
Distance Ratio (DR)	1.173	–

Outputs (continued)		
Y-Intercept (Trgt.)		in
Sunk Putt?	Y	–
Encountered Hole?	Y	–
Speed at Hole (SpdH)	1.21	mph
Position at Hole (PHE)	2.16	hr
Spin at Launch	0	rpm
Time to Pure Rolling	0.49	s
Speed at Pure Rolling	3.9	mph
Skid Dist. to Pure Roll.	40.22	in
Speed Drop (SD)	28.61	%
Percent Roll (PR)	73.01	%
Parameters		
Slope/Friction Ratio (SFR)	25.952	°

The Putt Summary page can be bookmarked. The slope angle units displayed for bookmarked summaries depends on the current application setting (see settings user manual).

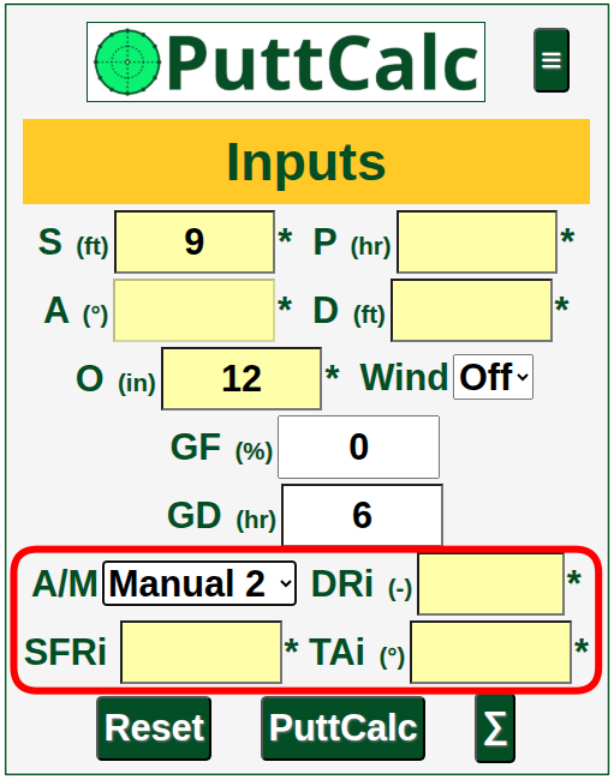
Manual Entry of Line and Speed



By switching **A/M** from **Auto** to **Manual 1**, you are then required to enter the putt launch speed, **Vi,** the x-coordinate of the target point, **TXi**, and the y-coordinate of the target point, **TYi**.

In Manual 1 mode, PuttCalc will *not* solve for the optimal line and speed. It will plot the path, and it will provide related output results. A Putt Summary will be available.

Manual Entry of DR, SFR and TA



By switching **A/M** from **Auto** to **Manual 2**, you are then required to enter the Distance Ratio, **DRi,** the Slope-Friction Ratio, **SFRi**, and the Target Angle, **TAi**.

In Manual 2 mode, PuttCalc will *not* solve for the optimal line and speed. It will plot the path, and it will provide related output results. A Putt Summary will be available.

Limits of Inputs

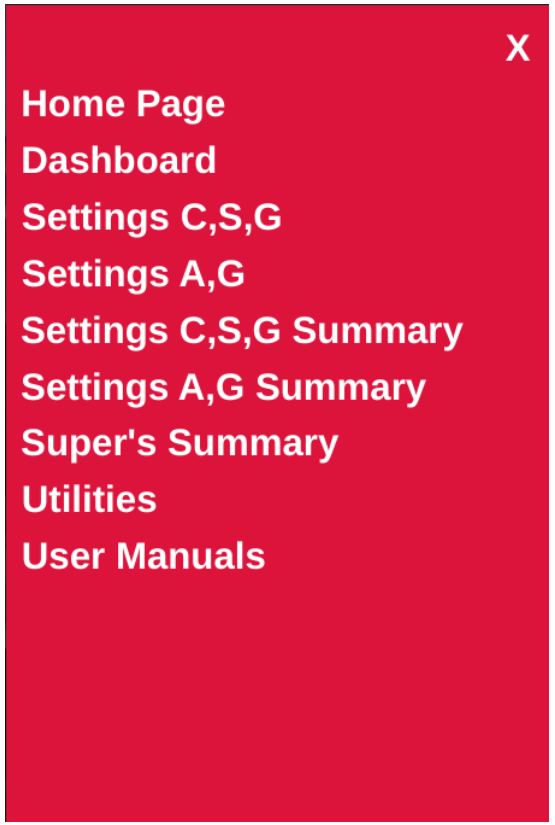
Limits of Inputs for PuttCalc	Default	Min.	Max.	Notes
Inputs				
Green				
Stimp (S) (ft)	Note 1	5.000	15.000	Note 4.
Slope Angle (A) (° or %, depends on setting)	Input	0.000	Note 2	Max calculated by the application
Slope-Friction Ratio (SFR) (°)	Input	-45.000	45.000	Only used in Auto SFR mode. Note 2.
Distance of Ball From Hole Center (D) (ft)	Input	0.500	21.000	
Initial Ball Position Relative to Hole (P) (hrs)	Input	0.000	12.999	e.g., 0.5 and 12.5 are same
Grain Direction (GD) (hrs)	No grain	0.00	12.99	e.g., 0.5 and 12.5 are same
Grain Factor (GF) (%)	Note 3	0.00	24.00	
Wind Direction (WD) (hrs)	No wind	0.00	13.00	e.g., 0.5 and 12.5 are same
Wind Speed (WS) (mph)	0	0.00	25.00	At eye level
Overrun (O) Past Far Side Hole Edge (in)	12	-3.000	24.000	Overrun; non-manual modes. Note 4.
Automatic/Manual Modes				
Mode (A/M)	Auto	Auto, Auto SFR, Manual 1, or Manual 2		
Initial Ball Speed (Vi) (mph)		0.500	25.000	Only used in Manual 1 mode
X-Coordinate, Target Location (TXi) (in)		-1000.000	1000.000	Only used in Manual 1 mode
Y-Coordinate, Target Location (TYi) (in)		-200.000	200.000	Only used in Manual 1 mode
Distance Ratio (DRi) (-)		0.100	2.700	Only used in Manual 2 mode
Slope-Friction Ratio (SFRi) (°)		-45.000	45.000	Only used in Manual 2 mode
Target Angle (TAi) (°)		-60.000	60.000	Only used in Manual 2 mode

Input values are limited to the number of decimal places as shown above.

Notes:

1. If Stimpmeter Green Speed Details are available, then the default will be the value calculated from those details. Otherwise, if details are not available, then the default stimp will be the Greens Defaults – Green Speed setting. When the Inputs screen, or form, is shown, the initial value for Stimp will be the default value. A Stimp value input using the Inputs form overrides the default value.
2. Max entry is 6.56° (11.5%), but if the entered value is greater than the max calculated by the application then the slope angle will be automatically changed to that maximum value, and an alert message will pop up.
3. If Stimpmeter Green Speed Details settings are provided then the calculated Grain Factor will be the default. Otherwise, Grain Factor if provided in Greens Defaults settings will be the default. Otherwise, 0.
4. The initial value is provided by the settings, but if a value is input here it will be used instead.

Navigation Menu



This is what the pop-up navigation menu looks like when the three-line button is clicked.

For the items on the menu below the Dashboard, please see the PuttCalc user manual on settings, summaries, and utilities. It is available on the same page on the website where the present user manual is located.

Legal

- Please refer to puttcalc.com/legal.