thumbsUp!

Instructions Title

Features:

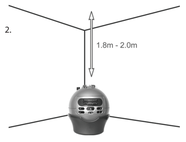
1. ON/STOP/OFF Switch
2. Sleep Timer Button
3. 30 Minute Sleep Indicator
4. 60 Minute Sleep Indicator
5. Rotate Right Button
6. Rotate Right Indicator
7. Slide Tray Eject Button
8. Rotate Left Button
9. Rotate Left Indicator
10. Shooting Star Button
11. Shooting Star Indicator
12. Date Dial
13. Time Scale
14. Focus Dial
15. Bowl Shaped Stand
16. Star Disc (2 pieces)

Battery Installation

1. The battery compartment is at the base of the unit. Twist the compartment door anticlockwise to open then unscrew the compartment cover.
2. Install 3 AA batteries (not included).
3. Ensure the cover and compartment door are securely refastened.

Setting up the Planetarium

1. Open the battery compartment on the base of the unit and insert 3 AA batteries (not included). Securely replace the cover.
2. Place the bowl shaped stand (15) on a flat surface and place the unit into the stand. The optimum distance for projection is 1.8 – 2m.



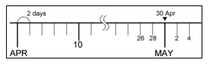
3. Press the slide tray eject button (7) to open the tray and insert the star disc (16). Ensure the ridges on the disc are lined up with those on the tray for a perfect fit.
4. While the tray is still open turn the date and time scale dials to set the time and date of the night sky you wish to view.

Time Scale: The time can be set between 20:00 (8pm) to 02:00 (2am). Each line represents thirty minutes.

Date Dial: The Date Dial has 365 days from which to choose. Adjust the dial for the particular date you wish to view. Each line represents two days.

Time Scale (fixed): Time from 20:00 (8 p.m.) to 02:00 (2 a.m.) is shown. Align the Date Dial with it to project stars at a particular time. (Each subdivision equals 30 minutes.)

Date Dial (Adjustable): The Date Dial has 365 days. Adjust the dial to project stars you want to see on a particular date. (Each subdivision equals to 2 days. The long mark corresponds to the last day of the previous month.)



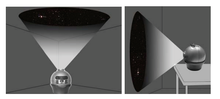
Example 1: If you wish to see the night sky for midnight (00:00), on the 7th July, align 00:00 on the time scale dial, and 7th July on the date dial. The 7th of July is positioned directly between the 6th and the 8th of July lines.

Example 2: If you wish to see the night sky for 22.30 (10.30pm) on the 30th December, align 22.30 on the time scale dial with 30th December on the date dial. Here the lines represent three days; therefore the 30th would be 2/3 between the lines representing the 28th and the 31st (the same rule applies for the end of January, March, May, July, August and October). Both the 28th and 29th of February are represented by the same line.

EX 1.

EX 2.

5. Close the tray. When looking at the projection from the front of the unit it will appear as though you are facing north. Do not attempt to turn the time scale or date dials when the tray is shut. If you wish to change the time/date open the tray, or use the rotate left (8), or rotate right (5) buttons when the tray is closed.
6. To turn on the projector press the ON/STOP/OFF switch. For best results view in a darkened room.
7. Adjust the projection angle by moving the unit within the bowl stand (15).
8. Adjust the focus dial (14) until the image is sharp.



Using the Star Motion Function

1. Press the Rotate Left Button (8) to rotate the night sky anticlockwise (the motion of the stars in the northern hemisphere). Press the button again to increase the rotation speed. Each time you press the button it will speed up (up to five times). The Rotate Left Indicator will flash to demon strate the speed at which it is moving. Press the ON/STOP/OFF button to stop the rotation.
2. Press the Rotate Right Button (5) to rotate the night sky clockwise (the motion of the stars in the southern hemisphere). To speed up the rotation follow the same process as above.

Using the Shooting Star Function

When the night sky projection is rotating press the shooting star button (10). A shooting star will then appear at intervals. The faster the projection is rotating the more often a shooting star will appear.

Using the Timer Function

Press the sleep timer button (2) to choose the 30 or 60 minute sleep timer. Press the button once for thirty minutes, twice for 60 minutes. The unit will then turn off after the time chosen. If no time is set the projector will turn off after 2 hours continuous use.

Turning off the Projector

To turn off the projector press and hold the ON/STOP/OFF (1) button.

Precautions

1. Batteries should be changed under adult supervision.
2. Alkaline batteries are recommended.
3. If the unit is not to be used for long periods remove batteries.
4. Do not mix old and new batteries.
5. Old batteries should be removed from the unit.
6. Do not expose batteries to excessive heat.

Technical Specifications

Projection method:	Optical
Viewing Location:	N35°
Constellations:	61
Stars:	8000
Light Source:	High Brightness White LED
Star field orientation adjustment:	Date, Hour
Projection Area:	1.8 x 2.2m at 2.0m distance
Number of stars:	8000 (each star disc)
Auto Off Timer:	30, 60, 120 minute
Power:	4.5V DC (3 x 1.5V AA/LR6)

Please retain all information for future reference.
Imported & distributed by

Thumbs Up (UK)

Thumbs Up (UK) Ltd,
Ruislip, Middlesex,
HA4 0EJ, UK

Tel: 0845 466 8880
Fax: 0845 466 8881
info@thumbsupuk.com
www.thumbsupuk.com

Thumbs Up (USA)

Thumbs Up USA, 841-B
Fesslers Parkway, Nashville,
TN 37067, USA

Tel: 615-620-1370
Fax: 615-620-1371
info@thumbsupusa.com
www.thumbsupusa.com

Thumbs Up Germany

Thumbs Up GmbH
Speestr. 24
53840 Troisdorf, DE

Fon: +49 2241 972 507-0
Fax: +49 2241 972 507-88
info@thumbsup.de
www.thumbsup.de

Thumbs Up France

Thumbs Up France,
164 av Joseph Kessel,
78960 Voisin le Bretonneux, FR

Tel: +33 (0)1 61 37 02 90
Fax: +33 (0)1 61 37 03 05
info@thumbsup.fr
www.thumbsup.fr