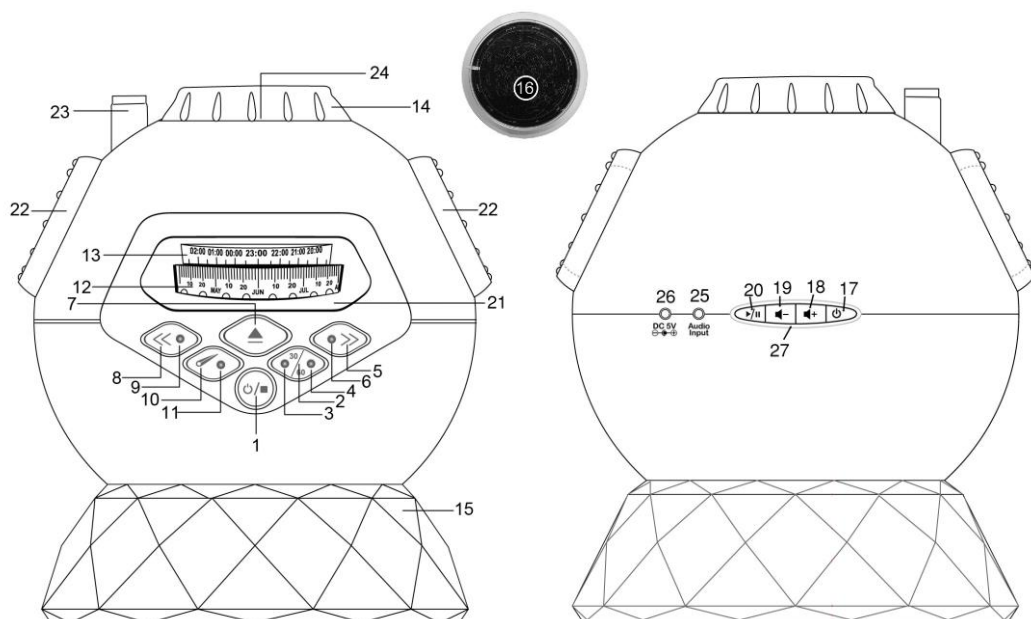


Planetarium with Wireless Bluetooth® Speaker

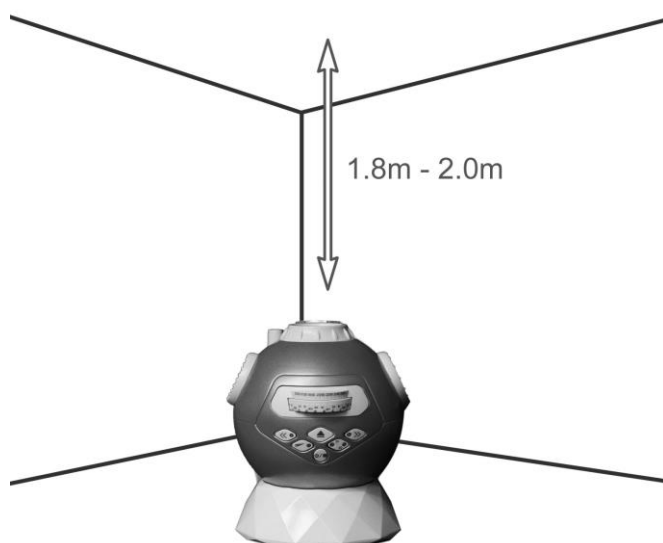
COMPONENTS

- 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 Stand
- 16 Star Disc (2 pieces)
- 17 Speaker ON/OFF/Pairing Button
- 18 Vol + /Next Song Button
 - Quickpress = Next Song
 - Press & Hold = Volume Up
- 19 Vol - /Previous Song Button
 - Quickpress = Previous Song
 - Press & Hold = Volume Down
- 20 Play/Pause Button
- 21 Star Disc tray
- 22 Speakers
- 23 Shooting star projection lens
- 24 Main projection lens
- 25 Audio IN Connector
- 26 5V DC IN Connector
- 27 Speaker Status LED
- 28 Audio cable



Setting up the Planetarium

1. Open the battery cover at the bottom of the unit and insert 3 pieces of AA size batteries. Please refer to the "Battery Installation Section" below. Replace battery cover firmly.

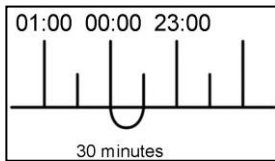


2. Place the unit over the stand(15) on a flat and stable platform (e.g. a table), the optimum project distance is about 1.8m to 2m.

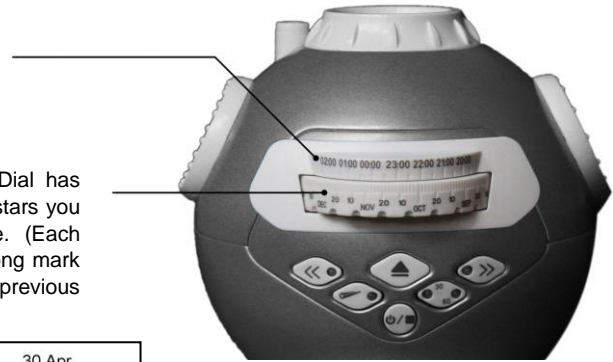
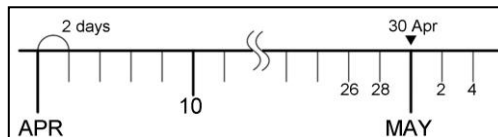
3. Press the Slide Tray Eject Button (7) to open the tray and install the star disc (16). Note the keys on the disc have to match the ridges on the tray.

4. While the slide tray is still opened, set the time and date of the night sky you want to view by aligning the desired date on Date Dial with the desired hour on the Time Scale.

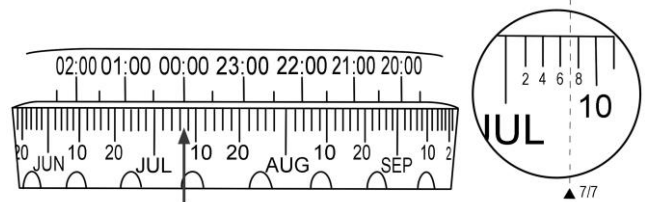
Time Scale (fixed): Time from 20:00 (8 p.m.) to 02:00 (2 a.m.) is shown. Align the Date Dial with it to project stars at a particular time. (Each subdivision equals 30 minutes.)



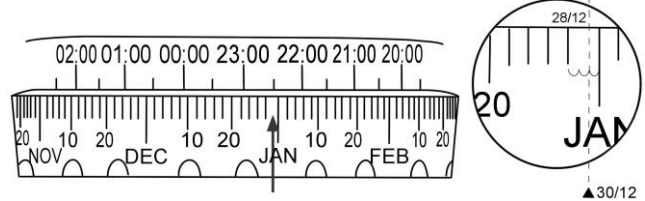
Date Dial (Adjustable): The Date Dial has 365 days. Adjust the dial to project stars you want to see on a particular date. (Each subdivision equals 2 days. The long mark corresponds to the last day of the previous month.)



Example 1: If you want to see the star pattern at midnight (00:00) on 7th July, align 00:00 on the time scale with 7th July. Position of the date 7th is between 6th and 8th.



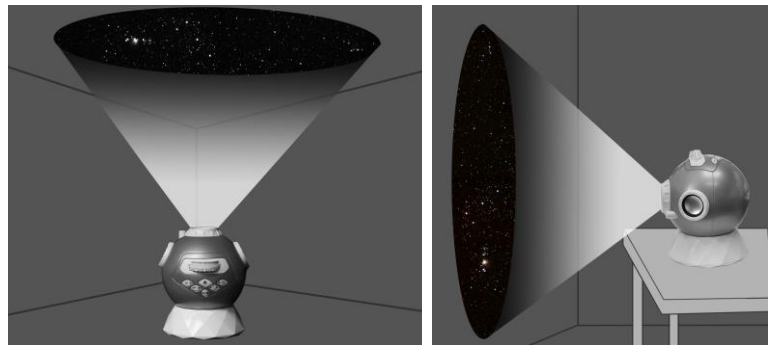
Example 2: If you want to see the star pattern at 22:30 (10:30 p.m.) on 30th December, align 22:30 on the time scale with 30th December. As shown in the figure, the small marking represents 3 days. Therefore the day 30th would be at 2/3 of the marking. (The same setting applies to January, March, May, July, August and October.) Note that 28th and 29th of February are at the same mark.



5. Close the tray. Note that you are looking to the north when you face the star projector from the front. Please do not turn the Date Dial when the tray is closed. You need to open the tray again if you want to set the date, or you can use the Rotate Left (8) or Rotate Right button (5) while the unit is turned on.

6. Press the ON/STOP/OFF switch (1) once to turn on the Projector Light. Dim or turn off the light in the room for best visual experience. Note that the unit cannot be turned on when the tray is opened.

7. You can freely adjust the projection angle of the projection head over the stand (15) to suit viewing on the ceiling or sidewall.



8. Adjust the focus dial (14) until the projected star field is sharp. The optimum project distance is 1.8m to 2m, image will become blur if the distance is too near or too far.

Using the Star Motion Function

1. Press the Rotate Left Button (8) to rotate the night sky anticlockwise, which is the motion of the stars in the northern hemisphere. Press the button again to increase the rotation speed. A total of five speed is available. Each press will select the next higher speed. The Rotate Left Indicator (9) will blink according to the speed. Press the "ON/STOP/OFF" button to stop.

2. Similarly, press the Rotate Right Button (5) to rotate the stars clockwise, which is the motion of the stars in the southern hemisphere. A total of five speed is also selectable.



Using the Shooting Star Function

When the night sky is in the rotating state, press the Shooting Star Button (10) to enable the shooting star function. A shooting star will appear in the night sky at regular time interval. It will appear more frequently if the rotating speed is set higher. Press the same button again to disable shooting star.

Using the Timer Function

Press the Sleep timer button (2) to enable 30 or 60 minute sleep timer, the corresponding LED indicator will show the current selected timer. To disable sleep timer, press the timer button until both timer indicator light (3,4) are off. However, the projector will still turn off automatically in 2 hours to save battery.

Powering OFF

Press and hold the ON/STOP/OFF (1) button to turn off the projector.

Set up the Bluetooth speaker

Note: Ensure the audio cable is removed from the "Audio Input" jack (25) of the speaker in order to use the Bluetooth function..

Pairing the speaker and a device

1. Make sure the speaker is turn off and keep it within 30 feet of the device it is paired to. Now press and hold the On/Off/Pairing button until a second tone is emitted. The status LED (27) will flash in RED and BLUE alternatively, indicating it is in pairing mode.
2. On your device (smartphone or tablet), locate your Bluetooth setting and turn on Bluetooth.
3. In Bluetooth Settings, scan for devices if necessary, then select "Planetarium Spkr" from your device's list. The status LED will change to blinking twice (in BLUE) every 5 seconds if the connection is successful. Your device and speaker are paired and your speaker is ready to use.

Pairing another device

Turn off the speaker by pressing and holding the On/Off/Pairing button until a second tone is emitted. The status LED (27) will turn off. Repeat step 1 – 3 above to connect to a new device.

Reconnecting to a paired device

1. Turn on the speaker by pressing and holding the On/Off/Pairing button until a first tone is emitted. The status LED (27) will flash BLUE quickly indicating it is in device searching mode.
2. Turn on Bluetooth function of your device within 45 seconds. Connection is established automatically and a double tone will sound. However, if Bluetooth is turned on after this period or automatic connection is unsuccessful, you can still connect manually by selecting "Planetarium Spkr" from your device's list.

Play Music

Select the desired music and press "Play" button on your paired device. The speaker will automatically start playing back the music.

1. On the speaker, press and hold the "◀+" or "▶-" button (18,19) to increase or decrease volume.
2. Quickpress the "◀+" or "▶-" button to skip forward or backward a track.
3. Press "▶/||" button (20) to pause or resume play.

Status LED

Pairing mode	RED and BLUE LED blinks alternatively every second
Searching connection	BLUE LED blinks once every half second
Disconnected	BLUE LED blinks once every 5 seconds
Connected	BLUE LED blinks twice every 5 seconds
Playing music	RED and BLUE LED blinks every 5 seconds
Power on / Power off	RED and BLUE LED blinks 3 times

Connect with Audio Cable

Connect a music player's audio output or smartphone's earphone output to the Audio IN connector (25) at the back of the unit with a 3.5mm audio cable (included). The speaker automatically disconnects from Bluetooth. Press and hold the "◀+" or "▶-" buttons to adjust the volume.

Troubleshooting

Problem	Check the following points
Power does not come on	● Check the battery.
The speaker won't pair	● Move the speaker and your device close together. ● Pairing mode is disabled automatically after about 45 seconds. Turn the speaker off, then long press the On/Off/Pairing button until a second tone is emitted to enter pairing mode. ● Forget the "Planetarium Spkr" device in your device list. Scan for new bluetooth device. Then try pairing again.
The sound is too quiet or too loud	● Adjust the volume on your device. It should be about 50%. ● Adjust the speaker volume.
The speaker is powered off automatically.	● The battery is exhausted. Replace the battery or connect the AC adapter (not included)

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:	5V DC / 3 x 1.5V AA/LR6
Speaker Power:	1.5W x 2
Bluetooth:	Version 3.0+EDR A2DP



If at any time in the future you should need to dispose of this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.(Waste Electrical and Electronic Equipment Directive)

