



## FOUNDATION

### Intraoral Optical System

#### Technical Specifications



SprintRay Foundation is a wireless, full-color intraoral scanner built for the SprintRay workflow. Running natively on ScanOS, every scan is captured, reviewed, and saved directly to your SprintRay cloud account — ready for design and print, with no exports and no additional scanning software.

|                       |                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------|
| <b>Imaging</b>        | 3D full-color optical scanning                                                         |
|                       | Field of view: 16 mm × 14 mm                                                           |
| <b>Scanning Modes</b> | Upper jaw, lower jaw, bite (occlusal registration)                                     |
|                       | Standalone free-flow scan or workflow-launched guided capture                          |
| <b>Scanning Tip</b>   | SprintRay Foundation Intraoral Scanning Tip — autoclavable, 15 g                       |
|                       | Steam sterilization at 132 °C / 134 °C; validated to 180 cycles                        |
|                       | Four tips included; replacement tips sold in packs of two                              |
| <b>Software</b>       | ScanOS — SprintRay cloud dashboard with Windows desktop capture component              |
|                       | Scans save automatically to the SprintRay cloud                                        |
| <b>Connectivity</b>   | Wireless: IEEE 802.11a/n/ac, 5 GHz (5150–5250 MHz and 5725–5850 MHz, region-dependent) |
|                       | Connects via TP-Link Archer T4U USB 3.0 wireless adapter (required, sold separately)   |
|                       | No USB or cable connection to the scanner                                              |

|                                                           |                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Battery &amp; Charging</b>                             | <p>Li-ion, 3.6 V, 3400 mAh, internal</p> <p>Runtime: 3+ hours continuous use</p> <p>Quick Charging in 3 minutes</p> <p>Fast Charging: 75% in under 1 hour</p> <p>Optimized Charging (default): full charge in ~4 hours</p> <p>Dock-contact (pogo-pin) charging only</p>                                     |
| <b>User Controls &amp; Indicators</b>                     | <p>Scan button and mode button on scanner</p> <p>Status LED (connection / fault / overheat) and battery LED</p>                                                                                                                                                                                             |
| <b>Computer Requirements (customer-supplied, Windows)</b> | <p><b>Desktop:</b> Intel Core i5-12600K or AMD Ryzen 7 5700X; NVIDIA RTX 2060 6 GB</p> <p><b>Laptop:</b> Intel Core i7-13700H or AMD Ryzen 7 8400U; NVIDIA RTX 3060 6 GB</p> <p>32 GB RAM, 1 TB SSD, Windows 10 (build 18362+) or Windows 11 64-bit, one free USB 3.0 port</p> <p>Touch screen optional</p> |
| <b>Power Requirements</b>                                 | 100–240 Vac via supplied adapter with regional plug (charging dock)                                                                                                                                                                                                                                         |
| <b>Operating Environment</b>                              | <p>Temperature: 15–30 °C</p> <p>Relative humidity: 10–65%</p> <p>Atmospheric pressure: 70–106 kPa</p>                                                                                                                                                                                                       |
| <b>Scanner Weight</b>                                     | 235 g (8.3 oz) including battery                                                                                                                                                                                                                                                                            |
| <b>Classification</b>                                     | <p>Internally powered medical electrical equipment; Type BF applied part (scanning tip); continuous operation</p> <p>Legal manufacturer: Alliedstar Medical Equipment Co., Ltd.</p> <p>Distributed by SprintRay, Inc.</p>                                                                                   |
| <b>In the Box</b>                                         | Foundation Scanner, Foundation Charging Dock, 4 × Foundation Scanning Tips, lens window protective cover, power adapter with regional plug, carrying case                                                                                                                                                   |
| <b>Shipping Dimensions &amp; Weight</b>                   | <p>42 × 31.5 × 15.5 cm (16.54 × 12.40 × 6.10 in)</p> <p>2800 g (6.17 lb)</p>                                                                                                                                                                                                                                |