

TOPCON Harmony RS : Minimum & Recommended Computer Requirements

Software requirements for Harmony RS

1. To use Harmony RS, you must install either Google Chrome, Microsoft Edge [Chromium] or any other Chrome based Browser, Firefox, or Safari [not preferred] as your Internet browser.
2. Please make ensure to use the latest version of your internet browser.
3. To check for the version, open Google Chrome, click on the ellipse on the right-hand side, click on help and click on About Google Chrome.
4. If you are using a tablet, it is preferable that you use a 10 inch or bigger tablet and that it is a Windows, Android or iPad. The use of a stylus or Mouse is recommended with any tablet.
5. A site-specific security certificate that needs to be imported to your browser needs to be installed before accessing the Harmony RS URL. This will be provided by Topcon or an authorized Topcon distributor.
6. As a registered Harmony RS user, you will receive a system generated email to register and login to your organization account.

Cloud

- 1) Harmony RS is hosted on the Microsoft Azure Cloud Server in Johannesburg and complaint with the POPI act, please see the link for additional information.
 - a) <https://azure.microsoft.com/en-us/explore/global-infrastructure/geographies/#geographies>
- 2) Harmony RS is a Web based cloud application and is only accessible via your browser with a site-specific security certificate and a system generated user account and the URL provided by Topcon or and authorized Topcon distributor.
- 3) For printing, we suggest using Windows 10+, so that printers are automatically allocated to your browser.
- 4) Internet with good latency to the Azure Server is recommended. A good connection to the MS Azure Cloud is the client's responsibility. A Minimum of 50/50 Fibre Connection recommended, 100/100 is preferred. See the link and select "South Africa North" option under Africa.
 - a) <https://www.azure speeds.com/Azure/Latency>

5) Minimum screen resolution 1920 x 1080 and a 24" monitor is recommended.

PLEASE NOTE:

- We require a wired/cabled network in order for Harmony RS Software to work. If you have a wireless network it could lead to data corruption.
- Fixed IP Address is required on a server if non-cloud.
- These requirements are based on Topcon Harmony RS requirements only. If you are running any other software (X-rays, OCT etc) that will add load to your machines, the suggested specifications of the hardware will have to be adjusted accordingly.
- It is always recommended when purchasing hardware that you engage with Topcon or their authorized Topcon distributor for your region to understand your specific setup so that we can advise you accurately.
- Topcon or their authorized Topcon distributor can provide you with the required hardware.

To run harmony RS successfully, the following Workstation setup is required:

	Harmony Integration Server / WS [KIS]Minimum <i>Virtual Machine preferred</i>	Harmony Integration Server / WS[KIS]Recommended <i>Virtual Machine preferred</i>	Harmony RS Workstation Minimum	Harmony RS Workstation Recommended
CPU	Intel i5 /i7	Intel i5 / i7 +	Intel i5	Intel i7
RAM	8GB (DDR4)	16GB (DDR4)	8GB (DDR4)	16GB+ (DDR4)
Storage	250GB(SSD/ SATA)	250GB (SSD/SATA)	256GB (SSD)	512GB (SSD)
OS	Win10/Server 2019 64bit Sp1+	Win 10 Server 2019 64bit sp1+	Win 10, 11	Win 10, 11
Networking	1 Gigabit	1 Gigabit	1 Gigabit	1 Gigabit
Screen Resolution	1920 x 1080 10" tablet	1920 x 1080 10" tablet	1920 x 1080 10" tablet	1920 x 1080 10" tablet

- ❖ Unlimited Remote access to the Harmony RS Integration Server / Workstation is required for support, troubleshooting, maintenance and set-up of the Integration Service.
- ❖ Remote access to the workstations of diagnostic devices required for Dicom set-up and configuration. TeamViewer preferred.
- ❖ A Static IP address is required for this Integration Service server / workstation.
- ❖ The Topcon support account needs to be a Local Admin account on the Server / workstation and a restricted Domain Admin user to configure firewall and network settings.
- ❖ Ports 20000 and 1200x needs to be enabled on the firewall for data uploads.
- ❖ Remote Options : TeamViewer [Preferred], RDP or any other IT provider approved method.

