

FAQ for SMP-Q

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Set-up and Support

Support for Scala Media Players goes through your regular Scala support channels. See [Services & Support](#) for more information.

Content

The type of content you can display depends on the Player license. The Scala Media Player-Q is normally paired with the PAV player license, which supports playback of:

- Video
- Static/dynamic images
- HTML5
- ScalaScript

The intensity of content you can display depends on the Player hardware capabilities, number of screen zones, etc. For more information about the PAV player license see [License Functionality Matrix](#).

The Scala Media Player-Q has about 23 GB available on its D: drive for content and related files.

How much content you can use depends on how often the content files actually change. This is because the:

- Player continues to play the content from the current plan until all the files for the new plan are fully downloaded
- Player cleans up unneeded content nightly

As a rule of thumb, a total content size of 1/2 to 1/3 the total available is fine. The actual limit can be a lot higher or lower in cases of extreme content update patterns. Here are some examples:

Examples

- **Pattern of rolling updates:** Say you always have 5 GB of content, but every day 10% is retired and a new 10% is added. In this example, you would need 5.5 GB of storage.
- **Pattern of full daily change of content:** Say you always have 5 GB of content, and it is fully replaced with a new 5 GB every day. In this example, you would need 10 GB of storage.
- **Pattern of frequent change of content:** Say you always have 5 GB of content, and it is fully replaced with a new 5 GB four times a day. In this example, you would need up to 25 GB of storage.

Hardening and Security

A media player is a very dynamic system. Although Scala designs and tests these systems to run for many weeks with complex content, there is always a small probability of degradation over time. To keep systems running smoothly, it is a best practice on the Scala Media Player-L to schedule a nightly reboot. To do this from the player, see the Restarts tab on the [Operating System Configuration for SMP-L for Windows](#).

Since UWF protects important files and registry values, any maintenance jobs that are designed to modify protected files should take this into account. Please follow the procedure described in [Remote Maintenance on Players That Use Write Filters](#).

Unlike most versions of Windows 10, Windows 10 IoT allows rich control over whether and when Windows Updates are applied. On Scala Media Players, Windows Update is disabled by default because:

- Many Windows updates, including security updates, are of no benefit to the player and can compromise system behavior.
- The administrator may want to control the timing of the bandwidth and the system restart that is needed.

For instructions on how to remotely apply a specific Windows Update using Scala Enterprise Content Manager, see [Remote Installation of Microsoft Hotfixes on a Player](#).

You can configure Player to require a **numeric** password after hitting <Escape> in order to exit playback. In your **MMOS.INI** file, set

```
INPUTMGR_EscapeKey=0
INPUTMGR_EscapePassword=12345
```

To exit, you must then type <Esc> **12345** <Enter>. The password can be any number from 1 to approximately 4.2 billion.

Typically, you should also disable the Window close function (**Alt+F4**):

```
INPUTMGR_WindowClose=0
```

Storage devices only: To prevent Windows from accessing USB storage devices, use the registry editor, as follows:

1. Run **RegEdit**.
2. Navigate to the registry location **HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\UsbStor**
3. Select the **Start** registry-value, and change its value-data to 4

To reverse this, change the registry value-data back to 3.

All devices: Using the Windows Group Policy feature, it is possible to blacklist all devices (including keyboards and mice), and even whitelist specific input devices from specific vendors.

Display

Generally, you can expect higher performance and stability if you use the **Scala Player Configuration** tool to set the display mode for 90 or 270 degree rotation, compared to using the device driver display rotation feature.

Storage

The way Solid State Drive (SSD) storage works, each data cell can be re-written thousands of times, but there is a limit. By reserving some space, the drive can perform "wear-leveling", which means that the drive intelligently moves data around to maximize the overall working life of the drive and to replace any cell that has reached its limit. In the partition manager, this reserved space appears as unallocated.

The Windows UWF feature requires that the paging file (virtual memory storage) be on a partition that does not have UWF protection. Therefore, a second partition is needed. On Scala Media Players, we also place the content and configuration folders for the Scala Player application, as well as various temporary files, on this second partition.

Other

Please contact your Scala representative for more information.

The Scala Media Player-Q has many BIOS settings. Specific settings to note include:

- On the BIOS **Advanced** tab, under **CPU Configuration**:
 - Scala recommends that **Intel Virtualization Technology** be set to **Disabled**.
- On the BIOS **Chipset** tab:
 - Scala recommends that **AC Power Loss** be set to **Power On**.

Related Topics: