Windows 7 - Tweaking list

ONLY use 1 (one) profile, set up as Administrator
Do NOT use/instal VNC, LogMeIn or similar remote control software, as it will interfere with stable WATCHOUT playback
WATCHOUT has it's own remote for Display computers, invoked via the "Manage Display computer" command, in the Stage menu

Using 2 (two) separate discs for OS and Media/WATCHOUT, is recommended

START

Make/install 1st partition/1st drive 60 GB/1st drive for OS
Install Windows 7 on 1st partition/1st drive

Make/install 2nd partition/2nd drive 2nd partition/2nd disk for WATCHOUT & MEDIA

LAST THING TO DO - Install WATCHOUT on 2nd partition/2nd drive - AFTER TWEAKING EVERYTHING BELOW

Software
Latest BIOS & drivers for motherboard
Latest drivers for graphics card
Latest drivers for capture cards
Latest drivers for peripherals, DMX-, MIDI-devices etc.

Activate Windows with Microsoft

Windows Update Update - ALL Both Critical and

QuickTime Install latest 7.6.8 or later http://www.apple.com/quicktime/download/

DO NOT INSTALL ANY OTHER CODEC PACKS, MEDIAPLAYS, DVD-BURNING SOFTWARE, OR SIMILAR ON A DISPLAY COMPUTER!!
It it will interfere with stable WATCHOUT playback.

Control panel

Action Center Change Action Center settings
Turn off all security settings
Customer E xperience Improvement Program - No
Problem reporting - never
Windows Update - never

Autoplay Uncheck for all devices

Date and Time Uncheck Notify me when the clock changes
Synchronize with Internet Time server
### Device Manager
Verify no missing drivers

### Folder Options
- **View**
  - Show full path in titlebar (only in Classic)
- **General**
  - Check Show all folders
  - Automatically expand to current folder
  - Uncheck Hide extensions for known filetypes

### Indexing
- Turn off for all drives
- Delete places

### Network & Sharing Center
- Set to "Work"
- Change adapter settings
  - In-activate wireless LAN adapter/s, if any
  - Select wired LAN adapter
  - Properties Turn off all but TCP/IPv4
  - TCP/IPv4 Properties Use a fixed IP-address
- Change for every Display Computer
  - ONLY use 1 (one) network adapter, if there are more,
  - DE-ACTIVATE the other/s

### Notification area settings
- Uncheck Always show all icons and notifications
- Turn system icons off
  - Clock off
  - Power off
  - Action Center off

### Performance Information & Tools
- Advanced Adjust visual effects For best performance
  - Virtual Memory Adjust Page file size to 2 x RAM

### Personalization
- Desktop Background Solid Color Grey
- Window Color Windows Classic
- Sounds No sounds
  - Uncheck Play Windows Startup Sound
- Screensaver None

### Power options
- Create a new Powerplan, WATCHOUT, based on High Performance
- Turn off display Never
- Put the computer to sleep Never
- Change Advanced Power Settings Go through all in list
**Program & Features**

Turn Windows features on or off

- Uncheck Games
- Uncheck Indexing Service
- Uncheck IIS
- Uncheck Media Features
- Uncheck Windows DVD Maker
- Uncheck Windows Media Center
- **KEEP CHECKED**
- **NOT**
- Uncheck Windows Media Player

Uncheck
- Uncheck Print & Document Services
- Uncheck Remote Diff Compression
- Uncheck Tablet PC Components
- Uncheck Windows Gadgets Platform
- Uncheck XPS Services
- Uncheck XPS Viewer

*RESTART now!!*

**QuickTime**

Uncheck

Check for updates automatically

Tray Icon

**Sounds**

No sounds

Uncheck - Play Windows Startup Sound

Check that Jack detection is set to OFF!!

**System**

Device Manager
- Verify no missing drivers

Remote Settings
- Uncheck Remote Assistance

System Protection
- Turn off System Restore

Advanced
- Adjust visual effects
- For best performance

Virtual Memory
- Adjust Page file size to 2 x RAM

**Computer name**

- Rename per computer
- Workgroup
- WORKGROUP

**Taskbar & Start Menu**

Go through

**Troubleshooting**

Change settings
- Computer Maintenance - OFF
- Allow user to....
- Allow troubleshooting to....

**User Accounts**

Change account name per computer

*Change User Account Control, UAC, to "Never notify"

**Windows Card Space**

User preferences

Uncheck - Enable access...

**Windows Defender**

Tools
- Uncheck Autoscan my...
- Realtime Protection..
- Under Advanced - All
- Administrator
- Uncheck - use this program
**Windows Firewall**
Turn OFF, and notifications, too!!
Advanced settings - turn all OFF, too!

**Windows Update**
Verify OFF

**3RD PARTY DRIVERS**

- **ATI 10.9 or later**
  - Options
  - Preferences
  - Hide Splash Screen
  - Enable SysTray - OFF
  - Turn off in msconfig also!

- **nVidia 258.96 or later**
  - Adjust Video Color settings
  - With the nVidia settings
  - Full 0-255

- **QuickTime 7.6.8 or later**
  - Uncheck
  - Check for updates automatically
  - Tray Icon

- **Adobe Acrobat 9.4.0 or later**
  - Turn off updates in Preferences

**FINAL INSTALL**

**Verify UAC OFF!**

Install WATCHOUT on 2nd partition/2nd drive

**RESTART!**

**PUT A SHORTCUT OF WATCHOUT DISPLAY IN THE STARTUP FOLDER**

Place WATCHOUT key in every USB port to force driver load

- **Run msconfig**
  - Go Through
  - /NOGUIBOOT
  - Uncheck everything but WATCHOUT and CodeMeter in Startup Items

- **Run services.msc**
  - Go Through
  - If you’re sure about what you do here... otherwise - DON'T!!

- **Trim Start Menu**
  - Go Through
TEST THIS COMPUTER WITH KNOWN-GOOD MATERIAL & MEDIA

- Test capture cards
- Test sound output
- Test all ports
- Test network
- Test heat & fans under 100% CPU load
- Test smooth playback all media types

| Video | Animation
|------|-------------
|      | MPEG-2
|      | WMV-9
|      | H264

| Audio | WAV
|------|---

| Images | JPEG
|-------|---
|       | PNG
|       | PSD
|       | etc

IMAGING PROCESS

Create drive image (both partitions) of this computer, to removable media, with an imaging program as Acronis True Image

Apply the image to the rest of your computers

Do the list below on every Display Computer

| Computer name | Rename per Display Computer
|---------------|-----------------------------
| User Accounts | Change account name per Display Computer maybe
| Network address | Change for every Display Computer