

# Lightsheet Z.1 Quick Startup



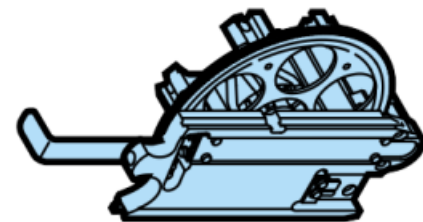
# 1) Start-up with 5X Detection Lens (Water embedded sample)

- 5X Detection Lens (NA 0.16) with Adapter Ring
- 5X Illumination Lens (NA 0.1)  
(Note that **Green label** should be matched with lens slot)
- **Standard Water** Sample Chamber with **Closed Window** in the back
- Start ZEN software on the desktop
- Select Database '[System\\_2583000227\\_2xPCO\\_Water\\_5X.mdb](#)' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel



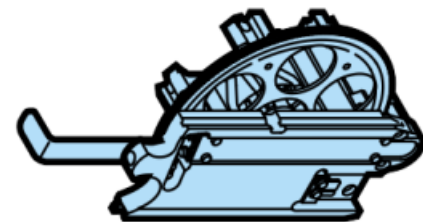
## 2) Start-up with 10X Detection Lens (Water embedded sample)

- 10X Detection Lens (NA 0.5) [with Adapter Ring](#)
- 5X Illumination Lens (NA 0.1)  
(Note that **Green label** should be matched with lens slot)
- **Standard Water** Sample Chamber with **Open Window in the back**
- Start ZEN software on the desktop
- Select Database '[System\\_2583000227\\_2xPCO\\_Water\\_10X.mdb](#)' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel



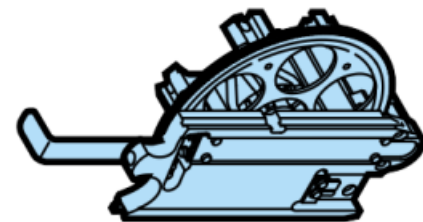
### 3) Start-up with 20X Detection Lens (Water embedded sample)

- 20X Detection Lens (NA 1.0) [with Adapter Ring](#)
- 10X Illumination Lens (NA 0.2)  
(Note that **Green label** should be matched with lens slot)
- **Standard Water** Sample Chamber with **Open Window in the back**
- Start ZEN software on the desktop
- Select Database '[System\\_2583000227\\_2xPCO\\_Water\\_20X.mdb](#)' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel



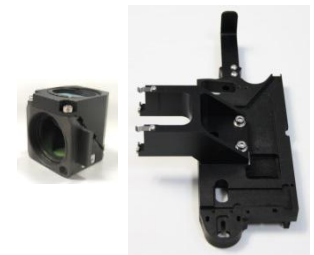
## 4) Start-up with 40X Detection Lens (Water embedded sample)

- 40X Detection Lens (NA 1.0) [with Adapter Ring](#)
- 10X Illumination Lens (NA 0.2)  
(Note that **Green label** should be matched with lens slot)
- **Standard Water** Sample Chamber with **Open Window in the back**
- Start ZEN software on the desktop
- Select Database '[System\\_2583000227\\_2xPCO\\_Water\\_40X.mdb](#)' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel



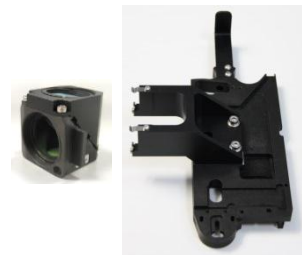
## 5) Start-up with 5X Detection Lens (Cleared sample - CLARITY)

- 5X Detection Lens (NA 0.16) with 1.45/5x Adapter Ring
- 5X Illumination Lens (NA 0.1)  
(Note that **Green label** should be matched with lens slot)
- Sample Chamber  $n=1.45/5X$  with **Closed Window** in the back
- Start ZEN software on the desktop
- Select Database '[System\\_2583000227\\_2xPCO\\_Clearing\\_1.45\\_5X.mdb](#)' and click 'Start System'
- **Fixed One LBF with Slider** (Laser Blocking Filter)



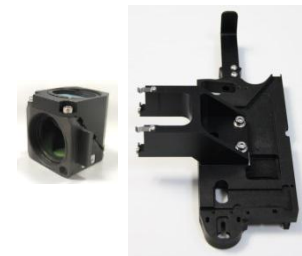
## 6) Start-up with 20X Detection Lens (Cleared sample - CLARITY)

- 20X Detection Lens  $n=1.45$  (NA 1.0)
- 10X Illumination Lens (NA 0.2)  
(Note that **Green label** should be matched with lens slot)
- Sample Chamber  $n=1.45/20X$  with **Open Window in the back**
- Start ZEN software on the desktop
- Select Database '**System\_2583000227\_2xPCO\_Clearing\_1.45\_20X.mdb**' and click 'Start System'
- **Fixed One LBF with Slider** (Laser Blocking Filter)



## 7) Start-up with 20X Detection Lens (Cleared sample – Sca/e)

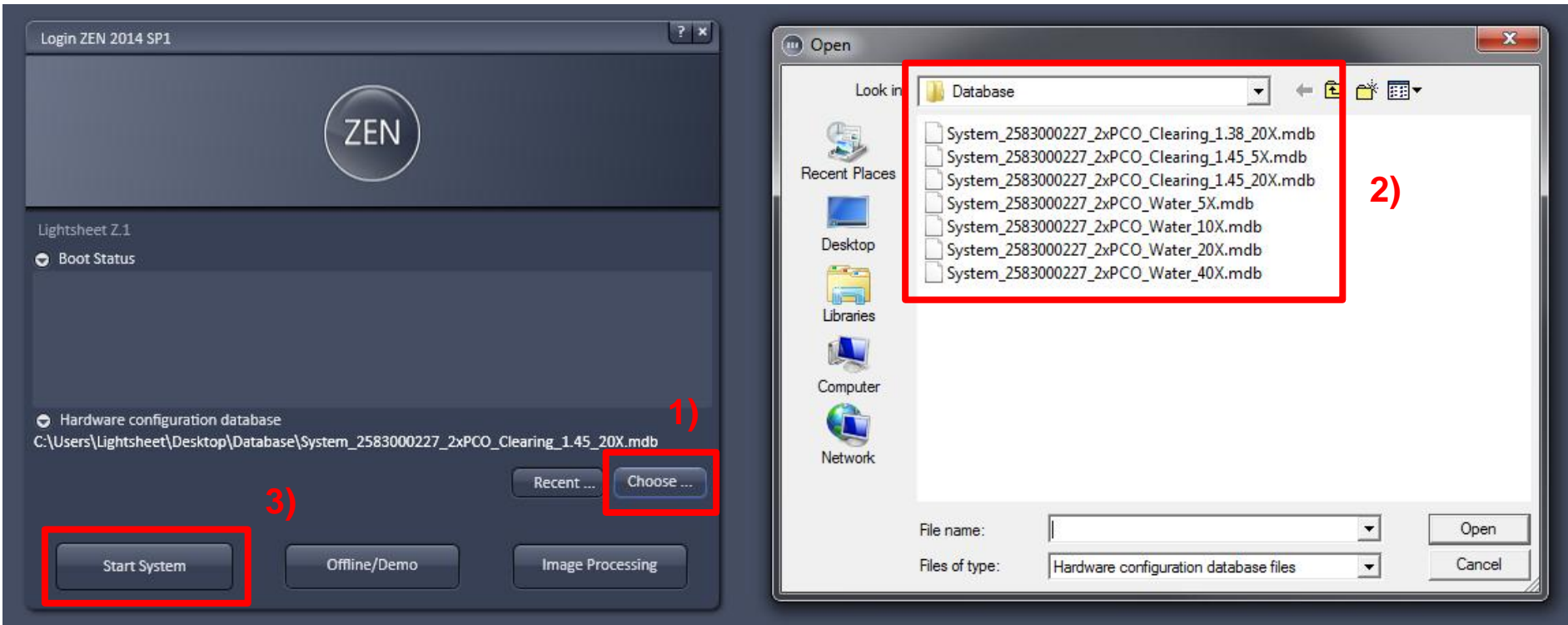
- 20X Detection Lens  $n=1.38$  (NA 1.0)
- 10X Illumination Lens (NA 0.2)  
(Note that **Green label** should be matched with lens slot)
- Sample Chamber  $n=1.38/20X$  with **Open Window in the back**
- Start ZEN software on the desktop
- Select Database '**System\_2583000227\_2xPCO\_Clearing\_1.38\_20X.mdb**' and click 'Start System'
- **Fixed One LBF with Slider** (Laser Blocking Filter)





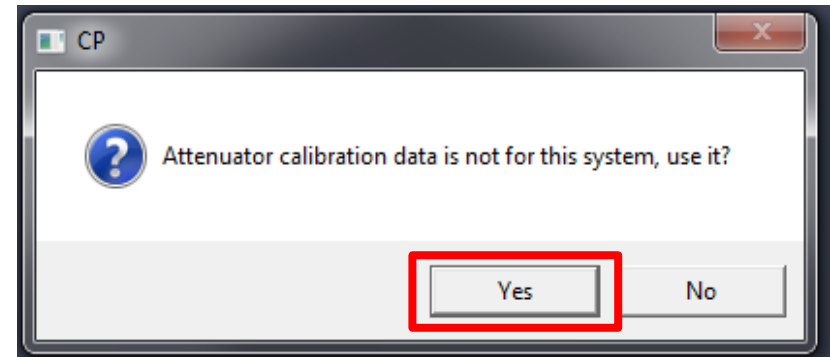
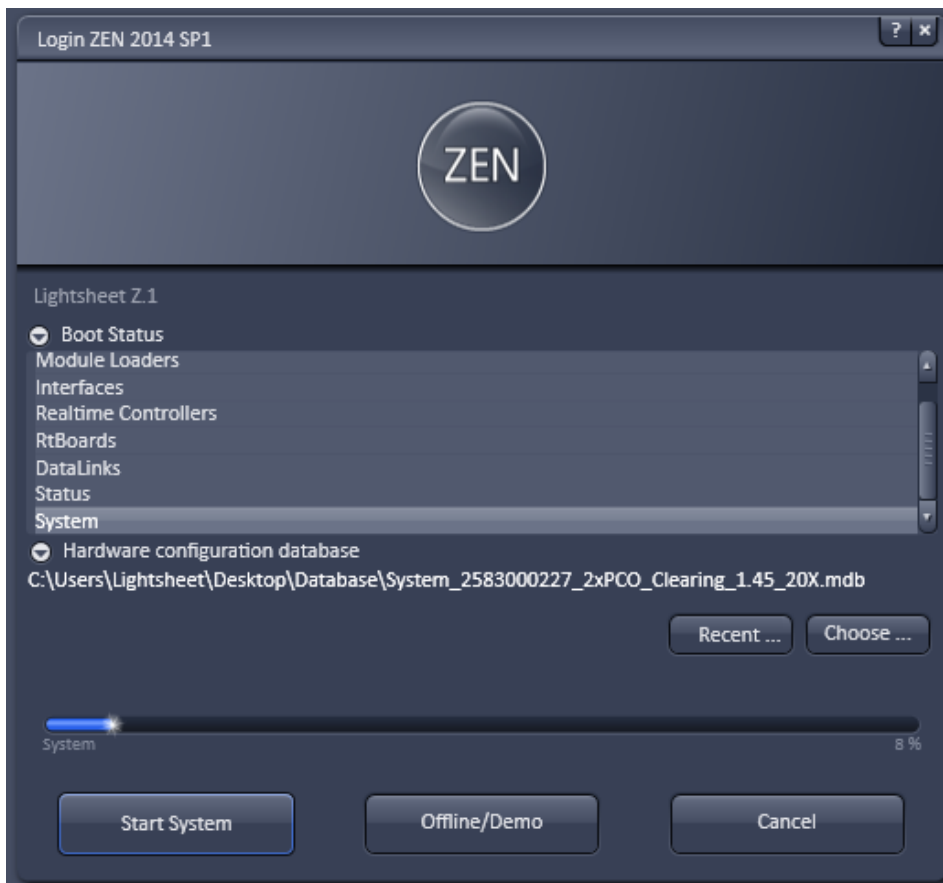
# 8) Database Selection

- Before you start ZEN software, a proper 'database' of hardware combination needs to be selected according to your experimental conditions.
- Please choose a database and click 'Start System' to proceed.



# 9) Database Selection

- During ZEN software startup, a warning message named 'CP' will pop up. Please ignore it and click 'Yes' to proceed.





We make it visible.