Using Windows 7's "Windows XP Mode" to run Dual PC mode.

- 1. Install the latest version of **BookDrive Capture** software on your master PC.
- On a master PC, make sure it has "Windows XP Mode" installed and ready for use.
 See installation guide here: <u>http://www.microsoft.com/windows/virtual-</u> pc/download.aspx
- 3. Install Microsoft Loopback Adapter. Here's how-to:
 - 3.1. Go to Start menu, search for program "hdwwiz"

Programs (1)	
hdwwiz hdwwiz	
See more results	
bdwwiz	Shut down
[

3.2. Select hdwwiz. You will see "Welcome to the Add Hardware Wizard", click Next.



3.3. Select "Install the hardware that I manually select from a list (Advanced)" and click Next

The wizard o	an help you install other hardware	
The wiza know ex	d can search for other hardware and ctly which hardware model you want	automatically install it for you. Or, if you t to install, you can select it from a list.
What do	you want the wizard to do?	
🔘 Se	rch for and install the hardware autor	matically (Recommended)
 In 	tall the hardware that I manually selec	ct from a list (Advanced)

3.4. In Common hardware types, select "Network Adapter" and click Next

dd Hardware	
From the list below, select the type of hardware you are instal	ling
If you do not see the hardware category you want, click Show	All Devices.
Common hardware types:	
Memory technology driver	*
I Modems	
Network adapters	
PCMCIA adapters	
Portable Devices	
Ports (COM & LPT)	
SBP2 IEEE 1394 Devices	-
< Ba	ck Next > Cancel

3.5. Select Microsoft and Microsoft Loopback Adapter and click Next

Click the Network Ad installation disk for t	dapter that matches your hardware, then click OK. If you have an his feature, click Have Disk.	
Manufacturer	Network Adapter:	
Intel Intel Corporation Microsoft	Microsoft IP-HTTPS Platform Adapter Microsoft ISATAP Adapter Microsoft Loopback Adapter	ſ
	Microsoft Teredo Tuppeling Adapter	

3.6. Continue to proceed until completion.

dd Hardware	
The wizard is ready to install your hardware	
Hardware to install:	
Microsoft Loopback Adapter	
To start installing your new hardware, click Next.	
	< Back Next > Cancel

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Click Finish.



3.7. Verify the result of the installation of Microsoft Loopback Adapter by right clicking at the Computer icon on the Desktop, and select Manage



3.8. In first column, click **Device Manager**. In second column, click to expand **Network Adapters**, if you see **Microsoft Loopback Adapter**, it

means the installation was successful.



4. Configure IP address of the Microsoft Loopback Adapter in Windows 7 as follows:

4.1. Go to Start / Control Panel



4.2. Click Network and Internet



4.3. Click Network and Sharing Center



4.4. On the left panel, select **Change adapter settings**



4.5. Double click at the Local Area Connection associated with Microsoft Loopback Adapter



4.6. Click Properties

eneral		
Connection		
IPv4 Connectiv	ity: No Internet	access
IPv6 Connectiv	ity: No network	access
Media State:		Enabled
Duration:	0	0:00:00
Speed:	10.	.0 Mbps
Details]	
Details]	
Details) Sent — Re	eceived
Details Activity — Packets:) Sent — Re 2,790	eceived 0

4.7. Select the 2nd option that says "Use the following IP address" and input your desired IP address such as 192.168.111.1
Then click at Subnet mask, which will fill out its number automatically,

Click OK, OK and close.

ou can get IP settings assign is capability. Otherwise, you or the appropriate IP settings	ed automatically if your network supports need to ask your network administrator
🔘 Obtain an IP address aut	omatically
Ose the following IP addr	ess:
IP address:	192 . 168 . 111 . 1
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	20 (2) - 2
Obtain DNS server addre	ss automatically
Output the following DNS set	rver addresses:
Preferred DNS server:	
Alternate DNS server:	<u>.</u>
Validate settings upon e	xit

- 5. Select Adapter in Window XP Mode as follows:
 - 5.1. Open **Windows XP Mode** from the Start menu and you will see a window of Windows XP Mode as follows.





5.2. From the menu, select **Tools / Settings...**

Tools 🔻	Ctrl+Alt+Del
Disable I	ntegration Features
Settings	

5.3. Click **Networking** on the left panel.

On the right panel, for **Adapter 1**, select **Microsoft Loopback Adapter** and click **OK**.

Setting	Current Value		working	
Name Memory Hard Disk 1 Hard Disk 2 Hard Disk 3	Windows XP Mode 256 MB Windows XP Mode None None	Number of ne	twork adapters: 1	•
🔤 Undo Disks 🕸 DVD Drive	Disabled F:	Adapter 2:	Not connected	-
COM1	None	Adapter 3:	Not connected	*
🔮 Networking	Network adapters:1	Adapter 4:	Not connected	w
 Integration Features Keyboard Logon Credentials Auto Publish Close 	Auto Enable Full screen Saved Enabled Hibernate	The virtua remove a	l machine must be shut down before you ca network ad <mark>a</mark> pter. <u>How do I shut down?</u>	in add or
		You can use Shar external network machines on this	ed Networking (NAT) or a network adapter : . Use Internal Network to communicate with computer.	to access an n other virtu

- 6. Configure IP address of Windows XP Mode
 - 6.1. Within Windows XP Mode window, go to Start / Control Panel



6.2. Click Network Connections



6.3. Double click at Local Area Connection



6.4. Click Properties

ieneral	Support		
	oupport		
Conne	ection		
State	us:		Connected
Dura	ation:		04:01:39
Spee	ed:		100.0 Mbps
Activi	ty	Sent — 🛃] — Received
Byte	s:	138,111,330	3,599,096
Prop	erties	Disable	
			Close

6.5. Double click Internet Protocol (TCP/IP)

Connec	t using:				
BB I	ntel 21140-Ba	ised PCI Fai	st Ethernet	Configur	e
This co	nnection uses	the followir	ng items:		
	Ulient for Mi File and Prir QoS Packet Internet Pro	crosoft Netv iter Sharing t Scheduler tocol (TCP/	vorks for Microsoft IP)	Networks	
	nstall	Un	install	Propertie	es 📄
Desc Tran wide acro	ription smission Cont area network ss diverse inte	rol Protocol. . protocol th erconnected	/Internet Pro at provides c I networks.	ocol. The defai ommunication	ult
Sho	w icon in notil ify me when th	ication area iis connecti) when conne on has limited	ected I or no connect	ivity

6.6. Now **Windows XP** will ask you to configure the **IP address**.

You want **Windows XP** to talk to **Windows 7** so fill in the same **IP address** in **Windows XP** as the one you filled in the **Windows 7** except the last digit, which has to be made different.

For example, if in **Windows 7**, you entered **192.168.111.1** Now in **Windows XP**, you should enter **192.168.111.2** (notice all other digits are similar, except only the last digit).

For **Subnet mask**, use the same value as in **Windows 7**.

rnet Protocol (TCP/IP) P	roperties 🦳		
neral			
'ou can get IP settings assigned nis capability. Otherwise, you ne ne appropriate IP settings. Obtain an IP address autom () Use the following IP addres	automatically if your network supports ed to ask your network administrator for natically s:		
IP address:	192 . 168 . 111 . 2		
Subnet mask:	255 . 255 . 255 . 0		
Default gateway:	3 3 2		
 Obtain DNS server address Use the following DNS serv Preferred DNS server: 	automatically er addresses:		
Alternate DNS server:			
	Advanced		

Click OK, OK, and Close.

7. Install the latest version of Capture Slave in Windows XP Mode

- 8. Now it's time to connect the cameras!
 - 8.1. In Windows XP, open Capture Slave
 - 8.2. Double click at the icon **Capture Slave** on the lower right hand corner of the taskbar.
 - 8.3. Connect the USB cable of the left camera (shooting right hand page), and turn on the camera. The camera will usually be detected by Windows 7. In Windows XP Mode, go to the menu, select USB / Canon Digital Camera as shown here.

🐙 Windows XP Mode - Windows Virtual PC						
Action - US	SB ▼ Tools ▼ Ctrl+	Alt+Del	@ •			
	Unidentified Device	Attach				
My Computer	Canon Digital Camera	Attach				
1						
Recycle Bin						
$\mathbf{\rho}$						
Capture Slave						
		Capture Slave				
		Camera not found				
		Local Network Properties: IP: 192.168.111.2 Port: 8090 Status: Disconnect Reset				
		Free space (C:\): 97.73 %				
📲 start	O Capture Slave		🖸 🧐 🦁 5:58 PM			

8.4. Windows XP Mode will pick up and take over that USB connection from the Windows 7 instead. You will notice that Capture Slave see

🕄 Windows XP Mode - Windows Virtual PC						
Action 👻	USB ▼ Tools ▼ Ctr	I+Alt+Del	•			
My Computer						
1						
Recycle Bin						
Capture blave		Capture Slave				
		Camera				
		Canon EOS Kiss X2 Reset				
		Live View: Yes				
		Local Network Properties:				
		IP: 192.168.111.2 Port: 8090 Status: Disconnect Reset				
		Free space (C:\): 97.73 % Exit				
		Capture Slav	/e 🗵			
a start	Contraro Shure					
Start			0:00 PM			

the camera and will show camera model and IP address.

8.5. Back to **Windows 7**, open **BookDrive Capture.** From the menu, select **Setting / Slave Connection**



8.6. Fill in the **IP address** displayed on **Capture Slave**. It is simply **the IP address** of **Windows XP** that you configured in the earlier steps. Click **OK**.



8.7. Now we are going to connect the **right camera** (shooting left hand page). Connect the USB cable of the **right camera** if you haven't already done so. Turn on the camera. **BookDrive Capture** will detect this camera and show the status on the left.

To connect with the other camera associated with **Windows XP Mode**, click at the **Connection icon** on the right hand. **BookDrive Capture** in **Windows 7** will attempt to communicate with **Capture Slave** in **Windows XP**. A few seconds later, the icon should show status as connected. You are now ready to scan books at dual cameras speed!

