USER MANUAL

Probox PBR-500



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Introduction

Usage Precautions

Please read the followings carefully and refer to [Cautions] in the manual for the proper use.

	* Probits Co. Ltd has no responsibilities for the recorded programs or files made or distributed for the purpose of
Copyright	illegal commercial or transactional activities. The party or parties who record or distribute the contents bear all
	the responsibilities (Civil or Criminal) direct or indirect.
Supported codec	* The Probox PBR-500 may not play some media files. Please check the codec types. Also it may not play or
Supponed codec	run improperly depending on file characters or circumstance.
	* Connect the power adapter as well when you connect the Probox PBR-500 to a PC.
	Probox PBR-500 may not be connected if the USB cable is more than 3 meters (9.8 feet).
	Recommended length is 3 meters (9.8 feet) (recommend you to use the supplied USB cable.)
USB Device	If the USB cable is too long, the transfer speed and the connection may not be good.
	If you connect this device to USB 1.1 Host Adapter, the speed is USB 1.1 (Max. 12Mbps), so we recommend
	you to connect to USB2.0 for full speed of max. 480Mbps.
	* The USB Host may not be matched with all USB storages. Please check the compatibility before you
USB Host	purchase or use the USB storage.
HDD Type	* Only 3.5" SATA type HDD can be used.
Dadia Marra Oraca	* The Probox PBR-500 may have the possibility of radio waves cross, so recommend not to use the service
Radio waves Cross	related to human safety.
	* We strongly recommend you to back up the data to another safe media. We are not responsible for data
Data Backup	damage or loss in built-in HDD.
Drop, shock	* Do not drop the device. It may cause critical damage to the hard drive
Strange Materials	* Don't insert steel materials (coin, etc) or other materials that may cause the Probox PBR-500 defect
Disassemble / Remodel	* Don't try to disassemble or remodel the Probox PBR-500. It may cause malfunction
Stack Up	* Don't stack another heavy material on the Probox PBR-500.
Exposure to water,	* Don't expose the Probox PBR-500 to oil, water, dust, moisture or rain and wind.
moisture, etc	If the Probox PBR-500 is wet then unplug the power cable from the unit right away.
Heat	* Keep the Probox PBR-500 away from heated areas. Set it up in well-ventilated places.
Magnetia Materiala	* Keep all magnetic materials away from the Probox PBR-500. Magnetic materials such as speakers or
Magnetic Materials	magnets may erase or cause damage to the data stored in the hard disk.

* Probits Co. Ltd has no warranty of responsibility for the broken HDD.

Specifications

Product Name	Probox PBR-500
Main CPU	RealTek RTD 1282 200Mhz processor
Power	12V 3A
Weight	Approx. 450g (without HDD inside)
Dimension & Weight	185(L) x 158(W) x 57(H) mm & Weight (g) 450
Front VFD Display	Colorful VFD Display
Available OS	USB Device Compatible: Windows 98SE/ME/2000/XP, Mac OS 9.0 higher, Linux 2.4 higher
USB Device	Device Port x 1pcs, 480Mbps USB 2.0 (USB 1.1 compatible)
	Host Port x 2pcs, 480Mbps USB 2.0 (USB 1.1 compatible)
USB HUSI	Supporting to read USB devices like External USB HDD, ODD, Flash Drive, Card Reader
Wired LAN	10/100 Mbps LAN (RJ-45) x 1ea, 100BaseTx:UTP/STP Category 5 LAN cable compatible
Wireless USB Dongle (option)	54Mbps IEEE802.11g USB Dongle
HDD Type	3.5" SATA HDD
HDD File System	NTFS / FAT32 (Recording, Time-Shift, EPG function is available on FAT only).
TV Type	NTSC/PAL
	Mpg, mpeg, avi, vob, tp, ts, trp, dat, iso, ifo, m2t
Video Format	AVI, MPEG1/2/4 (xvid), IFO, ISO, VOB, DAT, TP
	Up to 1920 x 1080i
Audio Format	MP3, OGG, WMA, AAC, AC3, WAV
Photo Format	JPG/JPEG, BMP, PNG
Subtitles	Smi, sub, srt
	Composite
Video Output	Component Y, Pb, Pr (480p, 720p, 1080i)
	HDMI (480p, 720p, 1080i,)
	Analogue : Stereo L & R
Audio Odiput	S/PDIF Digital Output : Coaxial / Optical
AV-IN	Composite, Component
Memory	64M Byte.
Cooling Fan	25 x 25 Brushless Micro Fan
Language	English, Spanish, French, Germany, Italian, Dutch, Russian (Other languages will be added).
Working Temperature	O'O ~ O'0
Working Humidity	10%~50%

* VIDEO : Not support VC-1, MKV, H.264 or WMV (supported by the real-time transcoding)

4

* AUDIO : Not support FLAC, APE or WMA-Lossless

Recording Function

* In order to use the recording function (Direct Record, Time-Shift, Time-Schduling Record, EPG Record), Remote Web-Access and Torrent Download, you should do the HDD Format on TV (Not through a PC).

Probox PBR-500 has an internal TV tuner and fully records Analogue (PAL / NTSC) & Digital (DVB-T / ATSC) TV channels as well as the media player functions.

	The Probox PBR-500 has the direct recording function.
Direct Record	If you want to record the channel you are watching right now, then just
	press [RECORD] button on the front panel or on the remote control then it
	records the current channel.
Time Scheduling Decord	You can record the programs you like by the Time-Scheduling Record on
Time-Scheduling Record	the unit directly or through web-access to the unit remotely.
EPG	The Probox PBR-500 supports 'EPG Recording' by the program names.
	'Time-Shift' function can give you the recording of programming to a
	storage medium to be viewed or listened to at a more convenient time.
Time Chiff	Being interrupted while watching live TV programs (such as pick up calls &
nine-Shin	answer the door), all you need to is to press [TIMESHIFT] button on the
	remote to record the program for a period of time and then later press
	[TIMESHIFT] key again to pick up the location where you left off.
Torrout Download	Probox PBR-500 supports Remote Torrent Download through the Remote
Torrent Download	Web-Access Control.
	You can convert the analogue contents such as VCR to a digital contents
	into a HDD inside through AV-IN and record the digital signal from Cable
AV-IN	Set-Top-Box, Satellite Set-Top-Box, etc which has AV-Out.
	Probox PBR-500 supports Composite / Component AV-IN.

* The Probox PBR-500 will detect a new HDD you insert and will give you a question whether you want to do HDD format or not.

* Make sure that your TV mode is switched to the 'AV input mode on TV.

MultiMedia Player Function

The Probox PBR-500 is a stand-alone, multimedia HDD (Hard Disk Drive) player that plays digital videos, music, photos and DVD files on TV and home entertainment system. You can enjoy the digital contents at home without having to burn discs or having to play it back on a DVD or CD player.

MultiMedia Player The Probox PBR-500 can play back the videos, music, photos HDD inside, an external USB storage through USB.		
High-Definition	The Probox PBR-500 play the HD video (up to 1920 x 1080i) and photos by using HDMI connection.	
HDMI	By using the single & simple HDMI connection, you can enjoy the high quality of the digital video and audio.	
LAN	It provides 10/100Mbps network connection for the 'Real-Time Transcoding', so you can stream the real-time transcoded contents from the PC.	
Wireless	With the 802.11g USB dongle connection, you can enjoy the contents streaming by wireless.	
USB 2.0	With the two USB 2.0 Host connections, you can attach additional external USB storages to further extend the storage capacities.	

Package Contents

The Probox PBR-500 package includes the below items and it may be different from the actual contents.



PBR-500



Remote Controller



USB Cable







Manual CD

AV Cable

Power Adapter



WiFi USB Dongle (Option)



Product Descriptions of Each Part The PBR-500 has its own button at the front panel as well as with the remote controller.

< Front View >



	1 POWER	Power ON / OFF button		
	② IR	Receives the remote controller signal		
	③ VFD Display	Colorful display for the status of the unit.		
	④ OK [Enter]	OK (Enter)or Select button.		
Front View	Navigation	Volume Up / Down knob		
		Left / Right Navigation knob.		
	5 PLAY	Play the files (contents) button		
	6 REC	Direct Record Button		
	⑦ STOP	Stop the file playback button.		

< Back View >



	① Power Jack	Connect the power adapter.
	② LAN	Wired LAN connection to a PC for the file streaming.
	③ AV-OUT	Connect Probox to TV (Composite / Component)
	④ AV-IN	Connect an external AV device for recording.
	5 Coaxial	Coaxial cable for 5.1 ch. Digital audio output
	6 Optical	Optical cable for 5.1 ch. Digital audio output
Back view	⑦ USB Host	Connect to an external WiFi USB dongle or storage.
	(8) USB Device	Connect Probox PBR-500 to a PC by USB cable.
	9 Cooling Fan	Extract the heat air to outside
	10 HDMI	Connect HDMI Cable to TV
	1 Antenna IN	Connect the antenna cable from a wall into this jack.
	12 Antenna OUT	Connect the antenna cable from the PBR-500 to TV

Use as External USB HDD

1. Use as External USB HDD

1.1 Insert Hard Disk

✓ Use 3.5" SATA Hard Disk for Desktop.





1 Unscrew 2-spot and open the top cover with pulling up the arrow direction

0 Connect Power and SATA connector to Hard Disk.



③ Finish assemble with screwing 2-spot,



1.2 Format Built-in HDD

You should do HDD Format while you are connecting the PBR-500 with TV (Not through PC) then the PBR-500 will have some partitions.

Insert a HDD into PBR-500 and connect it to TV and then turn on PBR-500 & TV (select AV mode). After turn the both devices, then you will have a question window on TV whether you want to do a HDD format or not.

For the detail procedure, please refer to Chapter 7.

1.3 Copy & Paste the files through USB

PBR-500 can be an external hard disk drive in case when you connect it to a PC through USB connection and you can copy & paste the files from / to your PC to / from built-in HDD in PBR-500.

* When you connect PBR-500 to a PC, you should connect power cable as well.

1.3.1 Windows 98SE

First, you have to install Windows 98 Driver before connecting to a PC.
 Find the driver at the supplied CD.
 After finishing installation, of Windows 98 Driver, connect PBR-500 to a PC through USB cable, and plug power cable to PBR-500 as well.

1) Click [Start > Settings>Control Panel >

System > Device Manager > Hard disk controllers > Hi-Speed USB-IDE Bridge Controller].



 You can now find a new volume at 'My Computer' or 'Explorer' and you can copy & paste the files.

 ✓ If you can not find a new volume, then do HDD format again.
 Windows 98SE detects FAT32 file system only.



 After file transfer, remove PBR-500 by using remove icon at Windows right-down corner.
 If you don't follow this procedure, the transferred files and PBR-500 may be damaged.





1.3.2 Windows ME

 After connecting PBR-500 and plug power cable, Windows itself will install driver automatically.

And then, check the driver installation at Windows [Start > Settings > Control Panel > (view all Control Panel options) > System > Device Manager > Universal Serial Bus controllers > USB Mass Storage Device]



2) You can now find a new volume at 'My Computer' or 'Explorer' and you can copy & paste the files.



 After file transfer, remove PBR-500 by using remove icon at SW Windows right-down corner.
 If you don't follow this procedure, the transferred files and PBR-500 may be damaged.

🅉 Unpl	lug or Eject Hardware	? ×
8	Select the device you want to unplug or eject, and then click Stop. W Windows notifies you that it is safe to do so unplug the device from you computer.	hen ur
<u>H</u> ardwa	are devices:	
	SB Mass Storage Device	
USB M	lass Storage Device at Mass Storage Device	
	Properties Stop	
□ <u>D</u> is	splay device components	
💌 Sho	ow Unplug/Eject jcon on the taskbar	

✓If you can not find a new volume, then do HDD format again.
Windows ME detects FAT32 file system only.

1.3.3 Windows 2000, XP

 After connecting PBR-500 and plug power cable, Windows itself will install driver automatically.

And then, check the driver installation at Windows [Start > Settings > Control panel > (switch to classic View on Windows XP) > system > Hardware > Device manager > Universal Serial Bus controllers > USB Mass Storage Device].

Device Manager	
Action Yew ← → == 10 12 12 22 23 28 🐹	
🖃 🧸 W2000	
8 🔜 Computer	
E Disk drives	
 PUILTSU MHT2030AT US8 Device 	
SAMSUNG SY1533D	
🛞 🜉 Display adapters	
🗄 🎡 DVDJCD-ROM drives	
🛞 🍓 Floppy disk controllers	
E C ATA/ATAPI controlers	
🕀 🐲 Keyboards	
B Mice and other pointing devices	
🗄 👹 Monitors	
🛞 💵 Network adapters	
⊕- ♀ Other devices	
B - J Ports (COM & LPT)	
E 4: Sound, video and game controllers	
i System devices	
🖻 🙀 Universal Serial Bus controllers	
USB Mass Storage Device	
USB Root Hub	
- 🗲 USB Root Hub	
VIA USB Universal Host Controller	
VIA USB Universal Host Controller	
-	

2) You can now find a new volume at 'My Computer' or 'Explorer' and you can copy & paste the files.



 ✓ If you can not find a new volume, then do HDD format again.
 Windows 2000, XP detects both FAT32 and NTFS file system. 3) After file transfer, remove PBR-500 by using remove icon at Windows right-down corner. If you don't follow this procedure, the transferred files and PBR-500 may be damaged.

🍜 Unplug or Eject Hardware		<u>? ×</u>
Select the device you want to unplug Windows notifies you that it is safe to computer.	oreject, and then do so unplug the d	click Stop. When evice from your
Hardware devices:		
😭 USB Mass Storage Device		
USB Mass Storage Device at Mass Storage De	vice	
	<u>P</u> roperties	Stop
Display device components		
Show Unplug/Eject jcon on the taskbar		Close

 ✓When you see 'Non High-Speed USB Hub Message'
 The message will be displayed On windows
 XP when you plug PBR-500 into USB 1.1
 spec. Host adapter.

1.3.4 Linux

✓ It can be available on Linux 2.4 higher.

[Automatic Mount]

After booting, do log-in.

Connect PBR-500 -> Power On PBR-500 -> Check the detection with [fdisk] -> make Mount Pointer (ex. mediatest) at Folder Mount(/mnt) -> Edit [/etc/fstab] -> add the following;

/dev/sda /mnt/mediatest vfat noauto, user 0 0 (in case of FAT32 HDD) /dev/sda /mnt/mediatest ntfs noauto, user 0 0 (in case of NTFS HDD)

Do Log-in again.

✓ above example "sda" is assumed that the PBR-500 will be detected as "sda" on your system. If not, you have to write the drive name which is detected as "USB Mass Storage", not "sda".

[Manual Mount]

Connect PBR-500 -> Power On PBR-500 -> Check the detection with [fdisk] -> make Mount Pointer (ex. mediatest) at Folder Mount(/mnt) -> Edit [/etc/fstab] -> add the following; mount --t vfat /dev/sda /mnt/mediatest (in case of FAT32 HDD) mount -t ntfs /dev/sda /mnt/mediatest (in case of FAT32 HDD)

✓above example "sda" is assumed that the PBR-500 will be detected as "sda" on your system. If not, you have to write the drive name which is detected as "USB Mass Storage", not "sda"

[How to stop using]

Do [unmount] at Device Control.

1.3.5 Mac

✓ It can be available on Mac 9.0 higher.

No need to install the installation driver at Mac OS 9.x version and the PBR-500 will be detected automatically. If the PBR-500 is detected correctly, an icon is appeared at a monitor. When removing PBR-500 safely, drag the icon to a trash and unplug PBR-500.

Connect to PC via Network

2. Connect to a PC(s) through Network connection

2.1 Wired LAN Connection

You can connect PBR-500 to a PC (PCs) for a file streaming by LAN or wireless and for using 'Real-Time-Transcoding' streaming.

2.1.1 Direct connection between PBR-500 & a PC.



Follow up the below procedure.

HAVE A CHO	ICE		Menu	VNETV	AUDIO VIDEO VORK SYSTEM	RECORD Setup MISC
					Wired Lan Setup	ON : DHCP Not ready!!
Ŭ	@	ኁ	\bigotimes		Wireless Setup	OFF : DHCP Not ready!
			SETUP			

① At the main page, select [Setup] icon or press [Setup] button on the remote. ② Select [Network] icon => [Wired Lan Setup]



③ Select DHCP IP (AUTO) or FIX IP (MANUAL).

④ Put the fixed IP address & subnet mask as the above. (No need to put Default Gateway / DNS server IP address) and press [OK] to save the configuration.



(5) Go to the main page and select [Multimedia] icon to find the connected to PBR-500 by network.

6 Select [LAN] icon.

HDD USB VLAN	PlayList	HDD USB VLAN	PlayList
I J Si Jeffi		/J G/Music/	
All Media	PREVIEW	All Media	PREVIEW

You can find the connected a PC(s) by network.

(8) You can find the shared folder.

For more information how to make a folder shared, go to [Shared File Playback (Stream)].

2.1.2 Connection through a router PCs.





③ Press [OK].

④ Now, PBR-500 get a dynamic IP address.

* You can assign a specific DNS server IP address.



HAVE A CHOICE	Menu HDD USB VLAN PlayList
TV RECLIST MULTIMEDIA SETL	JP 📑 All Media
S Go to the main page and select [Multimedia] icon	n to 6 Select [LAN] icon.

find the connected to PBR-500 by network.

HDD USB VLAN	PlayList	HOD USB VLAN	PlayList
≀.) Ø/JEFF/		I.J Ø/Music/	
🗾 All Media	PREVIEW	All Media	PREVIEW

22

⑦ You can find the connected a PC(s) by network.⑧ You can find the shared folder.

For more information how to make a folder shared, go to [Shared File Playback (Stream)].

2.2 Wireless Connection

PBR-500 supports two types of wireless structure; 1) Ad-Hoc mode & 2) Infrastructure mode.



See the setup for 2) Infrastructure mode by using a router.



① At the main page, select [Setup] icon or press [Setup] button on the remote. ② Select [Wireless Setup] and you can name the connection as you want by a virtual key-board.





3 Press [OK] to modify the connection Select $[\vartriangleright]$ button on the remote.





 ${\scriptstyle(5)}$ Select [Auto] and ress [${\scriptstyle[>]}$ button

(6) You can find the wireless Access Points and select one AP.



 $\ensuremath{\overline{\textit{0}}}$ Double-check the selected Wireless SSID and confirm.

(8) Select [DHCP IP AUTO]] to get a dynamic IP address.







(9) Now, you can check the setup configuration you did until here.

0 Then PBR-500 is testing the setup configuration and trying to connect the selected AP.



TV AUDIO VIDEO **√NETWORI S**YSTEM Setup MISC -((•1) ON: 192.168.10.103

RECORD

(1) You can see all configurations you did.

12 Now PBR-500 is connected to the selected AP and get the wireless signal & a dynamic IP address.



(3) Go to the main page and select [Multimedia] icon to find the connected to PBR-500 by network.

HDD USB VLAN PlayList 🧧 All Media

(Select [LAN] icon.



 ${\scriptstyle(\!5\!)}$ You can find the connected a PC(s) by network and you can find the shared folder.

√Note

Wireless AP (Infrastructure Mode) or Wireless Adapter (Ad-Hoc Mode) is needed for wireless connection. IEEE 802.11g wireless standard is recommended for better wireless environment. PBR-500 is compatible with IEEE 802.11g & b standard.

Shared File Playback (Stream)

3. Shared File Playback (Stream)

After you connect PBR-500 and a PC (PCs) by LAN or Wireless, you have to set up network configurations of both a PC (PCs) and PBR-500 as well.

Here, there is the information how to make a folder shared and network configuration..

3.1 Windows 98SE, ME

1) Select a folder which you want to share. Right-click the folder and click [Sharing] in





2) Check 'Shared as' and write 'Share Name'. For example, "My Movie"

✓Make sure not to write a long 'share name' long in
English
✓ Recommend to check 'Read Only' at 'Access
Туре'
Mi Dowot Write anything at 'Passwords'
General Sharing
C Net Showd
Shared As:
Share Name: MY MOVIE
Comment:
Access Type:
C Eul
C Depends on Password
Passwords:
Read-Only Password:

3) After that, the shared folder will be displayed as following picture.

 Move to [Control panel > Network], and double click 'TCP/IP->LAN card' that you want to use on your computer.

✓ In order to see LAN Card name, move to [Control Panel>System>Device Manager>Network adaptors].
Network
Configuration Identification Access Control
The following getwork components are installed: Dial-Up Adapter IPX/SPX-compatible Protocol -> ADMtek AN983 10/100M TCP/IP -> ADMtek AN983 10/100Mbps Fast Ethernet Ad TCP/IP -> ADMtek AN983 10/100Mbps Fast Ethernet Ad TCP/IP -> Dial-Up Adapter
Add Hemove Properties Primary Network Logon:
Eile and Print Sharing Description TCP/IP is the protocol you use to connect to the Internet and wide-area networks.
OK Cancel

5) Check 'Specify an IP address', and write 'IP address' & 'Subnet mask' that you want to use. For example, IP address: 192.168.1.3 / Subnet mask: 255.255.255.0

CP/IP Properties				? ×
Bindings) Adv	anced) N	etBIOS
DNS Configuration	Gateway	WINS Confi	iguration	IP Address
An IP address can If your network don your network admi the space below.	be automat as not auton histrator for a	ically assigne natically assig an address, a	d to this c n IP addro nd then ty	computer. esses, ask ype it in
O <u>U</u> btain an IP	address aut	or tically		
- 🖲 <u>S</u> pecify an IF	address:			
<u>I</u> P Address:	192	.168. 0	. 3	
S <u>u</u> bnet Mas	k: 255	. 255 . 255	. 0	
		10		Cancel

✓ If you select 'Obtained an IP address automatically', you don't need to write a specific IP address.

3.2 Windows 2000

1) Select a folder which you want to share. Right-click the folder and click 'Sharing' in pop menu.



3) Click 'Permissions' and check whether "Everyone" account is or not. If not, add "Everyone" account.



4) After that, the shared folder will be displayed as following picture.

My Movie

5) Move to [Settings>Control Panel>Administrative Tools>Computer management>Local Users and Groups>Users], and double click '**Guest**'.



6) Check 'User cannot change password' and 'Password never expires'.

Guest Properties	? ×	
General Member O	Profile	
Guest		
<u>F</u> ull name:		
Description:	Built-in account for guest access to the computer/dc	
☐ User must chan ✓ User cannot chan	ge password at next logon	
Reassword never expires		
Account is disat	eled	
🗖 Account is l <u>o</u> cki	ed out	
	OK Cancel <u>A</u> pply	

7) Move to [Control Panel>Network and Dial-up Connections], and select Properties of 'Local Area Connections' by right click of mouse.



8) Double click 'Internet Protocol (TCP/IP)' that you want to use on your computer.

Local Area Connection Properties	? ×
General	
Connect using:	
ADMtek AN983 10/100Mbps Fast Ethern	et Adapter
	Configure
Components checked are used by this connection	on:
File and Printer Sharing for Microsoft Net STInternet Protocol (TCP/IP)	works
Install Uninstall	P <u>r</u> operties
Description	
Transmission Control Protocol/Internet Protoco wide area network protocol that provides com across diverse interconnected networks.	ol. The default munication
Sho <u>w</u> icon in taskbar when connected	
OK	Cancel

9) Check 'Use the following IP address', and write 'IP address' & 'Subnet mask' that you want to use.

2 xl

For example,

IP address: 192.168.1.3

Subnet mask: 255.255.255.0

General	,		
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			
🔿 🗕 Dtain an IP address automaticall	y		
 Use the following IP address: 			
IP address:	192.168.1.3		
Sybnet mask:	255.255.255.0		
Default gateway:	· · ·		
C Oghain DNS server address autom Usg the following DNS server add Preferred DNS server: Alternate DNS server:	natically Iresses:		
	Advanced		
	OK Cancel		
✓If you select 'Obtaine automatically', you don't ne IP address.	ed an IP address eed to write a specific		



3.3 Windows XP

1) Select a folder which you want to share. Right-click the folder and click 'Sharing and Security' in pop menu.



2) Check 'Share this folder on the network' and write 'Share name'.

For example, "My Movie"



3) After that, the shared folder will be displayed

🥣 My Movie

4) Move to [Settings>Control Panel> Administrative Tools> Computer management> Local Users and Groups>Users], and double click '**Guest**'.

✓This is for Windows XP Professional. Windows XP Home users can't see this figure. Go to next number 6).
✓If you can't find 'Administrative Tools' at Control Panel, click "Switch to classic view" in left-up corner

on screen.

as following picture.



5) Check 'User cannot change password' and 'Password never expires'.

>> See next page



6) Move to [Control Panel>Network connections], and select 'Local area connections' properties by right click of mouse.



7) Double click 'Internet Protocol(TCP/IP)' that you want to use on your computer.



8) Check 'Use the following IP address', and write 'IP address' & 'Subnet mask' that you want to use.

For example, IP address: 192.168.1.3 Subnet mask: 255.255.255.0

Internet Protocol (TCP/IP) Proper	rties 🛛 🕐 🔀
General	
You can get IP settings assigned autor this capability. Otherwise, you need to a the appropriate IP settings.	atically if your network supports isk your network administrator for
Obtain an IP address automatically	,
O Use the following IP address: —	
IP address:	192.168.1.3
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	
O D <u>b</u> tain DNS server address autom	atically
O Use the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cancel

9) At above number 8) figure, click 'Advanced' Tab. Disable 'Internet Connection Firewall'.

General Authentication Advanced Internet Connection Firewal
Internet Connection Firewall Protect my computer and network by limiting or preventing access to this computer from the Internet Learn more about Internet Connection Firewall.
Protect my computer and network by limiting or preventing laccess to this computer from the Internet Learn more about <u>Internet Connection Firewall</u> .
Learn more about <u>Internet Connection Firewall</u> .
x x x x x
If you're not sure how to set these properties, use the <u>Network Setup Wizard</u> instead. Settings
OK Cancel

✓If you use service pack 2, refer to the following figures.
Click 'Settings' at 'Windows Firewall'



Check 'Off' and click 'OK'
🛿 Windows Firewall 🛛 🔀
General Exceptions Advanced
Windows Firewall is helping to protect your PC
Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
🔮 🔾 🛛 n (recommended)
This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.
Don't allow exceptions
Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.
Off (not recommended)
Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.
What else should I know about Windows Firewall?
OK Cancel



3.4 Windows Vista

Before you start "folder sharing", you need to set up 3 items for correct Network sharing.

3.4.1 Setup of User Accounts and Family safety



35

1) Click Start > Settings > Control Panel > Users Accounts and Family safety

R = Manage Accounts + Tam on Guest	Account	+ + Seech	-
Do you want to turn on the gu	vest account?		
P you turn on the guest account, peoplithe computer. Peopletic Producted File	ie who do not have an ac s, folders, or settings are r	count can use the guest account to not accessible to guest users.	tig on to
		Turn On	Carcol

3) If the "Guest" account is off, then switch it to "On".

2) Make sure the account is "Guest".
3.4.2. Disable the "Firewall"





2) Click at 'Off (not recommended)

1) Click Start > Setting > Control Panel > Security > Windows Firewall on / off

3.4.3 Setup of Network and Sharing Center



1) . Click Start > Setting > Control Panel > Network and Internet > Network and Sharing Center.



2) Select "Password Protected sharing" and select "Turn off password protected sharing".







3) Make a folder you want to share.

4) You will get a popup "Choose people to share with" then select "Everyone (All users in this list) and press "Add" button.

Choose people to share with		C B File Sharing Your folder is shared.		
People without a user account and passwo To change this setting, use the <u>Network an</u>	ed for this computer can access files you share with everyone. d Sharing Center.	You may time these links to notify people that you have shared these files, or copy the links onto the Windows clipboard, where you can paste them into any program you choose.		
Name	Permission Level	INTEL-PCUIsees/Santa Rosa/Desktop/captures		
SE Everyone	Reader 🕶			
盖 Guest 丞 Santa Rosa	Reader ♥ Owner ♥			
Islime about different ways to share in W	ndawi.	Show me all the files I am sharing.		
	Share Cancel	Dove		

5) After you register the user account, then click "Share" button.

Use USB Host

4. Use USB Host

√Note
PBR-500 is not compatible with all external USB devices.
With so many external USB devices available, we can not guarantee compatibility with all external devices.
We do not guarantee all kinds of external USB devices.

Here, you can insert external USB devices, such as USB storage or USB Dongle we supply for wireless connection.



PlayLis

1) Insert an external USB device into a USB host port.

2) Select [USB] icon and then you can see the contents from the USB device.

Connect to External AV Device

5.1 Connect Video Cable

The PBR-500 supports three types of video output; "Composite, Component and HDMI" and you can connect one of these connections.



 $\sqrt{}$ If you can not see a normal screen after connecting a video cable, check the followings;

On TV : Switch to video Input Mode: Turn on TV, and switch to the same video input mode as video connection. See TV user manual.

5.2 Connect Audio Cable

The PBR-500 supports three types of audio output; "Stereo, Coaxial, Optical". Use audio connection that your TV or Audio set supports. Normally, TV supports stereo audio connection, and this package supplies stereo audio cable.





Optical : Optical Cable for Digital 5.1 ch. (not supplied)

 OPTICAL
 OPTICAL
 Connect Optical Jack of Amplifier or Receiver

 \checkmark Don't connect optical and coaxial cable together at the same time.

③ Stereo: Red &	White RCA Cable (sup	pplied)		
Red (STEREO-R)			Red (STEREO-R)	●···· → Connect R Jack of TV.
(STEREO-L) White			(STEREO-L) White	●····▶ Connect L Jack of TV.

How to Use the Remote Control?

6. How to use the Remote Control?

6.1 Explanations of the remote buttons.

This is the explanatio	ns of the remote buttons.	
EPG	Record EPG program	EPO NIO FI E2
INFO	Show the information of the content	
F1	T.B.D (Add a function later)	
F2	T.B.D (Add a function later)	
POWER	Power On / Off the unit	
SETUP	Set up the various configurations of the unit	4 5 6
MUTE	Pause the audio sound	
Numeric Key	Insert a number	789
INS REPLY	Backward to 10 seconds frame	
CM SKIP	Forward 30 seconds frame	
REW	Rewind	
SLOW	Play back in slow motion.	R SLOW FF
FF	Fast Forward	
PREV.	Previous chapter or file	PREV RECEDENCE NEXT
Rec Schedule	Set up the Time-Scheduling Recording time	
NEXT	Next chapter or file.	
UP	Up navigation button	
LEFT / REW	Left navigation button / Rewind	
RIGHT / FF	Right navigation button / Fast Foward	
DOWN	Down navigation button	NETURN TIMESHIFT
OK / Enter	OK [Enter] button.	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
RETURN	Return the previous screen / folder	HED O
Time Shift	Time-Shift record of the live channel	
HOME	Go to the main first page	···· •· •· 🖆
Vol +	Volume up	
REC.	Direct Record button.	ZOOM RECUE
Vol -	Volume down	AUDIO SUBTITLE MEDIATYPE MILTHED
PAUSE	Pause the playback of a content	TOP MENU ANOLE DELETE EXTRA
PLAY	Play a content	
STOP	Stop a content playback	
Repeat (1/ALL)	Repeat one file or all files	
Repeat (A<->B)	Repeat the selected section	
GOTO	Jump into a specific time frame of a content	

TV	Watch & Record TV channels		
AV-IN	Select AV-IN source (Composite or Component)		
AV-OUT	Select AV-OUT (TV-OUT)		
ZOOM	Zoom video / image playback		
REC. LIST	Go to REC. List menu and show the recorded TV		
	channel lists		
AUDIO	Select an audio track		
SUBTITLE	Select a subtitle		
MEDIA TYPE	File sort (Movie, Audio, Photo)		
MultiMEDIA	Play the contents from HDD, USB, Network		
TOP Menu	Go to Top menu at ISO file		
ANGLE	See the Teletext at DVB-T		
DELETE	Delete a file		
EXTRAS	T.B.D (Add a function later)		

7. Initial Set-up

7.1 Format HDD

After you insert a used or new HDD into PBR-500 and then turn on PBR-500 for the first time, then you have the HDD format page.

You should do the HDD format at PBR-500, otherwise, you can not record TV programs or AV-In.

If you want to use PVR function (Direct Record TV channels, Time-Shift, EPG), you have to do a HDD format in the Probox PBR-500 (Not at a PC).



① Press [OK] to start a HDD format.

② Set up the capacity for [TimeShift] function.

Total Hard Disc Free Space: 73	Sbytes	Total Hard Disc Free Space	e: 36 Gbytes
Recording Disc -	Mutimedia Disc 50%	FA T32 Partition 50%	NTFS Partition 509
Min. = 10%	Min. = 10%	Mn. = 10%	Min. = 0%
Press'⊾'&' '¥key to adjust the c	apacity	Press' ⊾'&' '¥key to adjust	t the capacity

③ Set up the capacity for [Direct Record, EPG] and Multimedia (FAT / NTFS).

④ Multimedia has tow partitions; FAT / NTFS.

-. FAT : Read & Write

-. NTFS : Read only.

If you want to move files from a folder to Multimedia folder or use [Remote Web-Access], then you can only move or copy & paste the files to [FAT] partition.



(5) Now, the HDD is formatting. Any key on the remote or front panel is not working at this moment.

(6) Now, the HDD format is running.



⑥ Now, the HDD format is completed and has four partitions.

-. Time-Shift partition / -. Record partition

-. FAT partition / -. NTFS partition.

7.2 Initial basic setup

	AUDIO VIDEO DRK SYSTEM	RECORD MISC	Setup		AUDIO VIDEO JRK SYSTEM	D RECORD MISC	Setup
Ľ.	TV Input		CATV	Ľ.	TV Input		
Ç.	DTV Region		Other	Ľ.	DTV Region	1 other	
盛	Channel Scan			Č\$	Channel Scan	2 Talwan 3 Italy	
Ċ	Channel Set		-	Þ	Channel Set	4 France 5 Germany	
						6 UK	

- ① [TV Input] : Select TV-Input type
 - -. Antenna : Connect antenna cable
 - -. CATV : Connect cable TV cable.

2 [DTV Region] : Select a country name that you want to watch Digital TV.

<u>L's</u> e	TV Input	Channel Stan		TV Input	ि किंग्राम्बी इंदर
Ľ.	DTV Region	CANCEL AUTO SCAN	Ľ.	DTV Region	CANCEL
Ľä	Channel Scan	MANUAL SCAN	A	Channel Scan	DTV
Ö	Channel Set		Ċ	Channel Set	

③ [Channel Scan] : Scan the channels by auto or manual.

- 4 [Channel Set] : Select analogue or digital TV signal.
 - -. TV : Analogue TV
 - -. DTV : Digital TV.

8. The Main Menu Explanations of Probox PBR-500

8.1 Record Analogue & Digital TV Channels

Thanks to having a Hybrid Tuner with the PBR-500, you can watch and record TV (Analogue & Digital) channels with this menu.

Direct Record / Time-Shift / EPG Record,/Time-Scheduling Record / AV-IN Record functions are available at this menu.

Make sure that the PBR-500 is connected to TV and TV should be on AV mode.

While you are watching a channel on TV mode, you can record another channel on AV mode with the PBR-500.

8.1.1. Direct Record Analogue & Digital TV Channels.



① At the main page, select [TV] icon.



 (3) If you press [Record] button one by one then the recorded time is increased up to 240minutes.
 (30->60->90->120->180->240minutes->Off)



(2) Press [Record] button on the remote then the record icon at the top-right is shown.



④ If you want to stop the recording TV channel, then press [Stop] button on the remote. Refer to the next chapter [8.2 REC. List] for more detail.



 $(\ensuremath{\mathbb{5}})$ If you want to watch the recorded TV channels then go to [REC. List] menu and select [Digital] or [Analog] menu.

6 You can find the recorded lists here and play the lists.

8.1.2. Time-Shift Record.



1 At the main page, select [TV] icon.



③ Press [Play] button on the remote then it resumes from the paused frame.

2 Press [Time-Shift] key on the remote then the timeshift progress bar is shown at the bottom of TV.

10:38:18		10:36:19/10:41:09
C		
	Max aize: 2H11MAOS	

: Play progress bar.

: Time-Shift progress bar.

8.1.3. EPG Record.



① At the main page, select [TV] icon.

② Press [EPG] button on the remote and then you will have the EPG program page as the above.



③ Select a day & a program that you want to record by pressing [Rec. Schedule] button on the remote. Then it added a new schedule as the above.

e above. selected list on the remote again, and then it will be removed as the above.



program, then press [Rec. Schedule] button at the

⑤ You can see the recorded list at [REC. List] menu. Refer to the next chapter [8.2 REC. List] for more detail.

INFO

6 You can find the recorded list by EPG record.

8.1.4. Time-Scheduling Record.





① At the main page, select [TV] icon.

② Press [REC. Schedule] button on the remote and then you will have the Time-Scheduling-Record page as the above.

Complete editing a schedule?



③ You have the time-scheduling-reoord page as the above and select & set up of TV Channel / Start Time / Length / Repeat period / Record Path / Quality, etc.



 EDIT
 JDELETE
 STATUS
 HISTORY
 Schedule

 No
 Source
 Start time
 Leigth
 Status

 Add a new schedule
 Add a new schedule
 Status
 Pause

 1
 Div1
 08/3110/47
 0100
 Pause

 2
 Div1
 08/311142
 0100
 Ready

 3
 Div1
 08/3112/42
 0100
 Ready

4 After set up the configuration, press [OK] key on the

remote then there will be confirmation window as the

above and select [Confirm].

(5) Then the selected channel is added as the above.

 If you want to delete the selected TV channel, then go to [Delete] menu and select a program file and press [OK] on the remote.



 $\ensuremath{\overline{\textit{\textit{O}}}}$ Select one of the three menu to cancel the time-scheduling-record.

(a) If you want to check the status of the selected record list then go to [Status] menu and then you can see the status detail.



(8) When the time-scheduling-record is coming then it shows the question prompt and select [Confirm] or just leave it then it starts the recording automatically.



 M After the record is completed, then you can go to the [Status] menu and check the recording status.

(9) If you want to stop the record, then press [Stop] button on the remote and then select [Confirm].



(f) After the recording is completed, then you can go to the [REC. List] menu and find the recorded lists.

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8.1.5. AV-IN Record.



1 At the main page, select [TV] icon.

② Press [Source] button several times on the remote until you have the screen that you connected to PBR-500 with a external analogue AV device.



③ Press [Record] button on the remote then it starts the recording the analogue contents into the digital contents from the external AV device.



4 If you want to stop the recording then press [Stop] button on the remote.

8.2 REC. LIST

You can see the recorded lists of the analogue & digital TV channels here and playback or move, delete, rename, etc the lists.

8.2.1. Digital Recorded Lists



① At the main page, select [REC. List] icon or press [REC. List] button on the remote.

② Select [Digital]

 VPLAY
 DELETE
 RENAME
 SORTING
 Edit

 TODIS
 TODIS

 Interview
 Interview

 Interview
 <td

3 You can play, delete, rename, sort, title edit, tools the files.

For more detail how to rename, delete, sorting, Title Edit, Tools, see the next 8.2.2 chapter.



8.2.2. Analogue Recorded Lists



1) At the main page, select [REC. List] icon or press [REC. List] button on the remote.





③ You can play, delete, rename, sort, title edit, tools the files.



④ You can delete the selected files.



 $\ensuremath{\mathfrak{5}}$ You can change the file name by using a virtual keyboard.

6 Sort the files by 'Title Number', 'Recording Time', 'Title Name', 'Fresh Titles'.







[Set Thumbnail]:



 $(\ensuremath{\mathfrak{I}}\xspace)$ [Split Title] : Divide on title into two titles.



0 [Merge Title] : Merge two titles into one title.

 $(\ensuremath{\$})$ [AB Erase] : Remove from SETA to SETB area.



(9-(a) Now, there is a new title (TITLE4) which was divided from Title 3.



m [Add Chapter Mark] : Give chapters to a file for easy chapter by chapter skip.



 RECLES
 Text
 Yes
 Net
 Net
 Sector

 Image: Sector
 Text
 Sector
 Sector
 Sector
 Sector

 Image: Sector
 Text
 Sector
 Sector

 $\textcircled{\sc e}$ [Remove Chapter Mark] : Remove the marked chapter.

(ii) [Copy to FAT32 partition] : Copy & Paste the selected file to FAT32 partition and then you can see the files at a PC.

At a PC, you can not access the partition for Recording but only can access to FAT & NTFS.



(1) [Tools] : Delete all files at one time.

8.3 Multimedia

Play back the contents (Movie, Audio, Photo) from a HDD, Network (LAN / Wireless) connections and an external USB storage.



[M.MEIDA] button on the remote.

sub-icons (HDD, LAN, USB)

If you press [Media Type] button on the remote then PBR-500 sort the file types as the below;



③ You can also sort the files by using [MEDIA TYPE] on the remote control such as movie, audio, photo.



8.4 Setup

Set up the various configurations of Probox PBR-500. 8.4.1. TV



1 At the main page, select [Setup] icon or press [SETUP] button on the remote.

√т∨ AUDIO VIDEO RECORD Setup NETWORK SYSTEM MI5 C TVInnpus Ľ. TV Input Ľ0 DTV Region ଷ ĽQ. Ö Channel Set

You can use various buttons on the remote while you

For more information, refer to [How to use the Remote

are playing movie, audio, photo.

Control] at Chapter 6.

(2) [TV Input] : Select TV-Input type Antenna : Connect antenna cable CATV : Connect cable TV cable.

♦ Tip



Digital TV signal reception.

√т∨ AUDIO VIDEO RECORD Setup NETWORK SYSTEM MISC Channel Scan Ľ.s. Ľ. DTV Region CANCEL MANUAL SCAN Ľā. Ċ. Channel Set

④ [Channel Scan] : You can scan TV channels automatically or manually.



Manual Scan • •

(5) [AUTO SCAN] : The Probox PBR-500 is scanning the channels automatically.

6 [MANUAL SCAN] : You can scan a channel manually.



1 [Channel Set] : You can make book-mark for the favorite channels of analogue & digital channels.

8.4.2. Audio



(2) [Digital Output] : Select an Audio-out

1 [Night Mode] :

Off : Turn off the bass sound

On : Turn on the bass sound

Comfort : The bass sound is between Off & On.

8.4.3. Video

TV A NETWO	IUDIO VIDE IRK SYSTEM	O RECORD MISC	Setup	TV AI	udio (Video RK System	RECORD MISC	Setup
	Aspect Ratio				Aspect Ratio		Letter Box 4 3
۲	Brightness	Pan Scan 4.3 Letter Box 4.3	() 	*	Brightness		
0	Contrast	Ø <u>189</u>		Q	Contrast		
	TV System				TV System		NTSC
① [Aspect F	Ratio] : Select a	a proper ratio.		② [Brightness]] : Adjust the brig	phtness	
TV A NETWO	ILDIO VIDE IRK SYSTEM	O RECORD MISC	Setup		UDIO VIDEO RK SYSTEM	RECORD MISC	Setup



③ [Contrast] : Adjust the contrast

8.4.4. RECORD

-

۲

0

④ [TV System] : Select a proper TV-Out

Quality

ent Timeshift



1 [Quality] : Select a recording quality that you want.

 [Auto Chapter] : Add chapters while you are recording in order to skip chapter by chapter.

ଷ 20 Mi

MIS

Auto Chapter

Setup





③ [Permanent Timeshift] : If [On] then the timeshift function will be running automatically if you press [Pause] button on the remote while you are watching a TV channel.

④ [REC Device] : Select a storage method that you want to save the recorded channels into.

8.4.5. Network ; Refer to Chapter 2 for more detail.

tv audio √Network sys	VIDEO RECORD Setup TEM MISC	TV ALDIO VIDE VNETWORK SYSTEM	O RECORD Setup MISC
Wred Lan Se	fup ON 192 158 10 101	💶 Wred Lan Setup	ON 192,168 10 101
(19) Wireless Se	tup ON : DHCP Not ready!!	(III) Wireless Setup	ON : DHCP Not ready!!
	lin.		

1 [Wired LAN Setup] : Set up the LAN connection configurations.

(2) [Wireless Setup] : Set up the wireless connection configurations.



8.4.6. System

	AUDIO VIDE /ORK √SYSTEM	O RECORD MISC		ALIDIO VID WORK VSYSTEN	EO RECORD Setup MISC
	Menu Language	C Menu Languag	-	Menu Language	S There
\odot	Time	English Español Francais	- ©	Time	Manual Auto (via TV)
J.	HDD Format	Deutsch Italiano		HDD Format	
9	Restore Default	Dutch Pyccusi	5	Restore Default	
Ċ	PowerOff mode		د	PowerOff mode	

① [Menu Language] : Select a language

★ Very Important ★

2 [Time] : Set the time of the unit. This affects on the time-schedule record, EPG.

If you want to use PVR function (Direct Record TV channels, Time-Shift, EPG), you have to do a HDD format in the Probox PBR-500 (Not at a PC).

TV AUDIO VIDEO RECORD Setup NETWORK VSYSTEM MISC	Warning!!
Menu Language	You are going to enter the hard disc formatting procedures. Please refer to user manual before you start All data in the hard disc will be removed as you press 'OK' in below
Restore Default	OK
③ [HDD Format] : Do a HDD format for using PVR function.	Press [OK] to start a HDD format.
Step tTimeshift Buffer Disc Capacity	Step2:Recording & Multimedia Disc Capacity
Total Hard Disc Free Space: 77 Gbytes	Total Hard Disc Free Space: 73 Gbytes
	Recording Disc Multimedie Disc 50%
fhr = 4Gb, Max. = 4hr Press ' ∡'& ' '¥rey to adjust the capacity	Min. = 10% Min. = 10% Press ′_≰%' '∳key to adjust the capacity
Back	Back Next

 $(\mathbf{5})$ Set up the capacity for [TimeShift] function.

⁽⁶⁾ Set up the capacity for [Direct Record, EPG] and Multimedia (FAT / NTFS).



1 Multimedia has tow partitions; FAT / NTFS.

-. FAT : Read & Write

-. NTFS : Read only.

If you want to move files from a folder to Multimedia folder or use [Remote Web-Access], then you can only move or copy & paste the files to [FAT] partition.

 $\ensuremath{\textcircled{B}}$ Now, the HDD is formatting. Any key on the remote or front panel is not working at this moment.



(9) Now, the HDD format is completed and has four partitions.

-. Time-Shift partition /-. Record partition / -. FAT partition -. NTFS partition.





1 [Restore Default] : Make the unit to factory reset. You need to set up all configurations again after do this menu.

(1) [Power Off mode]

- -. Instant Off : Turn off the unit now.
- -. Suspend Off : the unit goes to [sleep] mode. For the Remote Web-Access / Bittorrent Download, you should select this mode.

8.4.7. MISC



1 [Slide Show Timing] : Set the slide time interval.

2 [Transition Effect] : Give the slide-show effect.



③ [Background Music] : Select the background music playback path.

Remote Web-Access

&

Torrent Downloading

9. Remote Web-Access & Torrent Download

[Remote Web-Access] & [Torrent Download] function is the very unique function of the PBR-500.

You can access to the Probox PBR-500 through web-browser and can

- 1) Download the files from the Probox PBR-500 to a local PC
- 2) Set up the time-scheduling recording time to the PBR-500 throurh Web-browser remotely.
- 3) Check the recording status at the PBR-500.
- 4) Download the Torrent files to the PBR-500 directly.

In order to use this function, you need to connect PBR-500 to a router and do [Port Forwarding / Port number : 80] or [DMZ Server] at the router. For more information how to setup the [Port Forwarding], refer to the manual of the router you are using.

At the Probox PBR-500, you need to set up the below;

- -. IP Address : set the fixed private IP address to PBR-500
- -. Subnet Mask : 255.255.255.0
- -. Default Gateway : set the IP address of the public IP address of the router
- (If the router is using a dynamic public IP address then you need to use DDNS function of the router).
- -. DNS Server IP Address : For Bittorrent Download, you need to put the DNS server IP Address.



1	O
0	a
	- 12

9.1.1. System Info.

You can access to the PBR-500 through the web-browser and check the status such as the total or used capacity of each partition, recording result, system time information, etc.

HDD FREE SPACE				
NAME	TOTAL	USED	AVAIL	USE
HDD1	147G	5949M	142G	3,93%
REC	295G	2049M	293G	0,68%
HDD2	147G	70724K	147G	0.05%
TIMESHIFT	4109M	266K	4109M	0.01%
TIMESHIFT	4109M	266K	4109M	0.01% 0 Item(s)
TIMESHIFT RECORD LIST HISTOR LIST	4109M	266K	4109M	0, 01%
TIMESHIFT	4109M	 266K	4109M	0,01% 0 Item(s) 0 Item(s)

HDD FREE SPACE

- -. Name : the name of each partition
- -. Total : the total capacity of each partition
- -. Used : used capacity of each partition
- -. Avail : Available capacity you can use later of each partition.
- -. Use : the used percentage of each partition.
- -. HDD1/2: this is a partition you can see at a PC and upload or download the files to / from here.
- -. REC : the recorded files (Direct / Time-Scheduling Recording / EPG Recording) are supposed to be saved into this partition and you can only see this partition through web-browser and can not see this at a PC by using USB cable connection.
- -. TIME SHIFT : the time-shift recorded file is written into this partition.

RECORD LIST

The Time-Scheduling Recording Lists or AV-IN Recording lists are shown at this field. If you click the number beside [Item(s)], then it goes to [Record List] menu.

HISTORY LIST

It shows the recording result as "OK" or "Fail"

SYSTEM TIME

- -. PVR System Clock : the current time information of the PBR-500 you are using now.
- -. This Computer : the current time information of the PC you are using now.
- -. User Input : if you want to change the current time of the PBR-500, then click this and set up of the time and press [Apply]

9.1.2. File List

[File List] : Access to the HDD inside of the Probox PBR-500 and get the files from PBR-500 to the local PC you are using.

FileList HOME > FLELST © SHOW FILE LIST	System Info FileList	RecoroList	HistoryList Torrer	it Setup
SHOW FILE LIST SHOW FILE LIST POLDER/FILE NAME LAST MODIFY SIZE DO1 DO2	FileList			HOME - FLEUST
Q / FOLDER / FILE NAME LAST MODIFY G ////////////////////////////////////	SHOW FILE LIST			
FOLDER/FILENAME LAST MODIFY SIZE	911			
- H001	FOLDER / FILE NAME		LAST MODIFY	SIZE
C H002	-			
	C H001			
	CO HDD2			

For example, if you click [HDD1] folder then you can access to the HDD1 folder as below;

	Recorolist	HistoryList	Turrenc	secup
FileList				HOME > FILELIST
SHOW FILE LIST				
9, /HDD1/				
FULDER / FILE NAME		LAI	T MODIFY	SIZE
ALLMEDIA				
CO MUSIC				
Movie				
СРНОТО				
Recycled				
System Volume Information				
Corrent				

And then select a file and download the file into your local PC you are using now.

7	A
1	U

9.1.3. Record List

You can do the time-scheduling recording at this menu from Analogue or DTV or AV-IN.

LIST					HOME - RECORDL
D LIST				NOW	2009/03/17 16:42:
SOURCE	ST.	ART DATE	LENGTH	1	STATUS
	D LIST SOURCE	LIST D LIST SOURCE 57.	D LIST SOURCE START DATE	LIST D LIST SOURCE START DATE LENGTH	LIST NOW

[New] : Add a new time-scheduling recording list [Delete] : delete the scheduled list.

If you press [New] button then you will have the below mene.

SHOW RECORD LIST NOW SOLUTE: *** select ligut ** * SOLUTE: PR29 SOLUTE: *** Select OTV Ch. ** *	HOUE - RECORDU
SHOW RECORD LIST NOW KOLINEX Immunolity SOLINEX Immunolity SOLINEX Immunolity SOLINEX Immunolity	2009/03/17 16:46:
SOLINEE	
SOURCE PR23	
SOLINCE	
START TIME 2009 / 03 / 17 15 44 ex) year/mon/day hourimin	
LENGTH 1 0 ex)hour:min	
HEPEAT Select Repeat Type 😿	
DEVICE SHOD	
ERLALETY == Select Quality == 👀	


PECO	ani ist				
RECO	ADLIS I				HOME - RECORDLIS
SHOW R	ECORD LIST			NOW	2009/03/17 16:55:0
SOURCE	TV v				
SOURCE	Video1 YPbPr0 TV				
SOLRCE	Select DTV CAL				
START TIME	2009 / 03 / 17	16 44	ex) year/mon/day hr	urtmin	
LENGTH	1 0		ex)hour:min		
REPEAT	Select Repeat Type	*			
DEVICE	• HDD				
DUALITY	== Select Quality == 👻				

1st Source : the first [Source] is to select AV-IN or Analogue or DTV.

SHOW RE	CORD LIST			
				NOW 2009/03/17 17:05
SOURCE	TV			
SOURCE	== Select TV Ch. ==			
SOURCE	PR1 PR2 PR3			
START TIME	PR4 PR5 P86	16 (44	ex) year/mon/day ho	urtmin
LENGTH	PR7 PR8 PR9		es)hourimin	
REPEAT	PR10 PR11 PR12			
	PR13			
DEVICE	PR14 PR15			
DEVICE	PR14 PR15 PR16 PR17 PR18	1		

2nd Source : If you select [TV] which means the analogue TV then you will have the analogue channels as the above.

70	
12	

RECOR	DLIST				HOUR + BECORDURS
SHOW RE	CORD LIST			NOW 2	009/03/17 17:06:49
SOURCE	DTV				
SOURCE	$\simeq \text{Select TV Ch} \simeq \forall$				
SOURCE	Select DTV Ch V				
START TIME	DTV 1 DTV 2 DTV 3	16 44	ex) year/mon/day ho	ur:min	
LENGTH	1 0		ex)hour:min		
REPEAT	== Select Repeat Type ==	8			
DEVICE	⊕ H00				
DUALITY	Select Quality 💌				

3rd Source : If you select [DTV] which means the digital TV then you will have the analogue channels as the above.

RECOR	RDLIST				HOME - RECORDURIN
SHOW RE	CORD LIST			NOW [2009/03/17 17:08:33
SOURCE	DTV				
SOURCE	$\rightarrow SelectTVCh \rightarrow \forall$				
SOURCE	0TV 1				
START TIME	2009 / 03 / 17	16 44	ex) year/mon/day ho	artmin	
LENGTH	1 0		ex)hour:min		
REPEAT	Select Repeat Type	-			
DEVICE					
DUALITY	== Select Quality == 👻				
					Submit

-. Start Time : Set up the recording time year / month / date / hour / minutes

-. Length : set up the recording time length hour / minutes

7	2
1	3

iystem Inf	o FileList	RecoroList	HistoryList	Torrent	Setup
RECOR	DLIST				HOME + RECORDUS
SHOW RE	CORD LIST			NOW (2	009/03/17 17:13:31
SOURCE	VTU				
SOURCE	Select TV Ch v				
SOURCE	DTV 1 💌				
START TIME	2009 / 03 / 17	16 44	ex) year/mon/day ho	urimin	
LENGTH	1 {0		ex)hour:min		
REPLAT	Select Repeat Type - Select Repeat Type -				
DEVICE	Once Everyday Mon-Fri				
DUALITY	Mon-Sat Every Sunday EveryTonday EveryTuesday EveryTuesday EveryThursday				Submit

-. Repeat : set up the repeat period such as once, everyday, every-Fri, etc as the above.

RECOR	RDLIST				ONE - SECORD
SHOW RE	CORD LIST			NOW 200	9/03/17 17:15:
SOURCE	DTV				
SOURCE	\rightarrow Select TV Ch. \rightarrow				
SOURCE	DTV 1 💌				
START TIME	2009 / 03 / 17	16 44	ex) year/mon/day ho	urimin	
LENGTH	1 0		ex)hour:min		
REPEAT	Everyday 💌	1			
DEVICE	🛞 HDD				
OLALITY	Select Quality 💌				

-. Device : Select a device to record the channels. The default is HDD inside.

-. Quality : Select a quality of the recording.

After you set up the all configurations for the recording, then press [Submit] button.

74	

Then now, you have a new requested recording list as the below;

RE	CORDL	.IST				NO	HOME - RECORDLE
SH	ND ND	50URCE	D.	START DATE	LEN	тн	STATUS
	1	Dtv1		03/17 17:25	00:1	18	Ready

9.1.4. History List

Check the recording result at this menu. The below status says, the recording was succeed.(OK).

ystem info	FileList	RecoroList	HistoryList	Torrent	Setup
HISTORY	LIST				HOME + HISTORYL
SHOW RECORD	DLIST			NON :	2009/03/17 17:23:
17 NO	RESULT	SOURCE	START DATE	LENGTH	DEVICE
D 1	QK.	Dtv1	03/17 16:05	00:10	HDD

9.1.5. Torrent Download

[Notice]:

In order to download the Torrent files into the PBR-500, you should turn off the PBR-500 by [Stand-By Mode] power off.

If you power off the PBR-500 by [Normal Power Off] then Torrent downloading is not running.

How to download the Torrent Files?

[Step 1] : search the torrent files at the websites and type the title you want to download.



 $\left[\text{Step 2} \right]$: You will get the a lot of related file names as the below and select the files.

🚖 🔅 🎶 terminator I isoHunt - the BitTorrent and P2P ...

		BitTorrent Releas terminator Browse Ad	ees Web Tickets Search 6f this search to your site			S	ite
Sites: 456 • Trackers:	85273 • Onl	ine Torrents: 1782125 •	Files: 44.7 mil • Size: 1427.2 TB • Peers: 20.01 mil				
(with static titles) • Upload torrent (Torre • Browse All Torrent	nt posting guid s	ie)		Ner	Login to kee ed help with dowr	ep track of y loading usin	your search Search Ti ng BitTorrer
		the second	TO F TANK	J Kavia	M		
Filter by Category:	All	 Limit Age within: 1d < 	5 7d 30d 6m None Sorting by isoHunt Rank Page 1 of 50 (2661 kems) 2, 3, 4, 5				Permalir
Filter by Category:	All Age	Limit Age within: 10	5 7d 30d 6m None Sorting by IsoHunt Rank Bace 1of 50 (2601 Rems) 2 3 4 5 Torrent Tags, Name		Size	S	Permali
Filter by Category:	All Age 3.3d	Limit Age within: 10 Limit Ag	8 7d 30d 6m None Sorting by IsoHunt Rank <u>Page 1 of 50</u> (2601 &cms) <u>2</u> , <u>3</u> , <u>4</u> , <u>5</u> Torrent Taps, Name amer.Chronicles.502513JHDTV.Xvd-NaTV.avi	+11*6*	Size 349.46 MB	5 6270	Permalin L 2206
Filter by Category: Category TV TV	All Age 3.3d 17w	Limit Age within: 1d	4 7d 30d ém None Sorting by IsoHunt Rank <u>Page 1 of 50</u> (2601 & ems) <u>2</u> , <u>3</u> , <u>4</u> , <u>5</u> <u>Torrent Tags, Name</u> annor, Chronicles, 502509, HDTV, XVIO-DotTavi annor, Chronicles, 502509, HDTV, XVIO-DotTavi	+11±6* +43±20*	Size 349.46 MB 350.86 MB	5 6270 319	Permali 2206 181
Filter by Category:	All Age 3.3d 17w 16w	Limit Age within: 1d Limit Age within: 1d Limit Age within: 1d Limit Age within: 1d Limit Age within the series of the series o	5 7d 30d 6m None Sorting by IsoHunt Rank <u>Base 1 of 50</u> (2601 Rems) <u>2 3 4 5</u> <u>Torrent Tags, Name</u> annor,Chronicles.30218.HDTV.XVI0-b0T.avi annor,Chronicles.5028.0.HDTV.XVI0-b0T.avi annor,Chronicles.5028.0.HDTV.XVI0-b0T.avi	+11±6P +43±20P +40±16P	Size 349.46 MB 350.86 MB 349.9 MB	6270 319 357	Permali 2206 181 214
Filter by Category: Category TV TV TV TV TV TV	All Age 3.3d 17w 16w 13w	Limit Age within: 10 Terminator.The.Sarah.Ct Terminator.The.Sarah.Ct Terminator.The.Sarah.Ct		+11 ± 6 +43 ± 20 +40 ± 16 +34 ± 22	Size 349,46 MB 350,86 MB 349,9 MB 349,72 MB	6270 319 387 506	Permain 2206 181 214 216
Filter by Category: TV TV TV TV TV TV TV TV	All Age 3.3d 17w 16w 13w 18w 18w	Linik Age within: 1 of Terminator. The. Sarah. Ci	St 7d 1 30d 1 6m 1 None Sorting by Isofum Rank Base 1 of 50 (2661 kems) 2, 3, 4, 5 Torrent Taps, Name amor, Chronicles 502553-NDTV-XVD-NoTV-avi amor, Chronicles 502553-NDTV-XVD-XOR-avi amor, Chronicles 502553-NDTV-XVD-XOR-avi amor, Chronicles 502583-NDTV-XVD-NOR-avi amor, Chronicles 502583-NDTV-XVD-NDR-avi amor, Chronicles 502583-NDTV-XVD-NDR-avi	+111 6 0 +43 ± 207 +40 ± 167 +34 ± 227 +40 ± 127	Size 349,46 MB 350,86 MB 349,9 MB 349,72 MB 349,3 MB	5 6270 319 357 506 302	Permali 2206 181 214 216 167
Filter by Category: Category TV TV TV TV TV TV TV TV TV TV	All Age 3.3d 17w 16w 13w 18w 18w 18w	Linik Age within: 10 Eminator.The.Sarah.Co. Terminator.The.Sarah.Co. Terminator.The.Sarah.Co. Terminator.The.Sarah.Co. Terminator.The.Sarah.Co. Terminator.The.Sarah.Co. Terminator.The.Sarah.Co.	81 741 304 6m None Sorting by kellunt Rank Base 1 of 50 (2601 & ems) 2, 3, 4, 5 Correct Tags, Name more chronicles SO2163 ADTV XVID-NOT Avi once chronicles SO213 ADTV XVID-NOT Avi	+11±6P +43±20P +40±16P +34±22P +40±12P +38±13P	Size 349,46 MB 350,86 MB 349,9 MB 349,72 MB 349,33 MB 349,32 MB	5 6270 319 357 506 302 361	Permali 2206 181 214 216 167 166
Filter by Category: Category TV TV TV TV TV TV TV TV TV TV	All Age 3.3d 17% 16% 13% 18% 15%	Limit Age within: 1d Terminator. The Sarah. Ci	\$173(1300)6m Sorting by IsoBlum Rank Earce 1 of 55 (2601 Aems) 2 3 4 5 Eoren Character Eoren Character	+11*6* +3*20* +43*20* +40*16* +34*22* +40*12* +38*13*	Size 349,46 MB 350,86 MB 349,9 MB 349,72 MB 349,33 MB 349,32 MB 349,33 MB	5 6270 319 357 506 302 361 2667	Permain 2206 181 214 216 167 166 911

💁 * 🔂

[Step 3] : Click the selected file name as below and save the file into a folder.



[Step 4] : Click the [Browse] button at the Web-Access page as below and add the Torrent file And the press [Start] button.

System Info	FileList	RecoroList	HistoryList	Torrent	Setup
TORREN	r				HOME + TORRES
 Download statu Internet connec Totali & Downl Free HDD space 	is : Ott. (Power off to filon : Ok auding 10, Completed e: 142993055 KBytes	stand-by mode to start downlo	ead)		
COMPLE	TED				0 jot
B DOWNLO	ADING	(Mai: 2 downloaits available)	9		0 joi
S WAITING	Ē				fi [o]
Torrent name Skite (downlog	ided / total)	()soHunt(_NDS_Pack_2973-21 85969046 / 589202588 bytes (992[19_ROM5];4522288 (14%) Start]Delete Jo	.TPB.torrent b Delete job a	nd file
Torrwrit Harme Size (downloa	ded i total)	[isoHunt]_Transporter,3.2008 13103650 / 734853113 bytes (DVDRIP.XviD.ZEKTORM.to (1%) Start Delete Jo	numit Delete job a	nd file

[Step 4]: After you turn off the PBR-500 by [Stand-By Mode], the PBR-500 will start the Torrent file downloading.

- -. [Delete Job] : Delete the Torrent file from the PBR-500.
- -. [Delete Job and File] : Delete the Torrent file including the temporary files and also downloaded parts as well.

FTP Server

10. FTP Server

Currently, two (2) users can access to the PBR-500 (FTP Server) at the same time.

You can use the PBR-500 as a FTP server and can upload / download the files.

In order to use this function, you need to connect the PBR-500 to a router and set up [Port Forwarding / Port number : 21] or [DMZ Server] at the router. For more information how to setup the [Port Forwarding], refer to the manual of the router you are using.

At the Probox PBR-500, you need to set up the below;

- -. IP Address : set the fixed private IP address to the PBR-500
- -. Subnet Mask : 255.255.255.0
- -. Default Gateway : set the IP address of the router.
 - (If the router is using a dynamic public IP address then you may need to use DDNS function of the router).



10.1.1. Access to the PBR-500(FTP Server) by using the web-browser.

[Step 1]: Open the Web-Browser

[Step 2] : type [ftp://id:password@FTP server IP address].

i.g ftp://admin:admin@123.345.567.123



[Step 3] : Then you can access to the PBR-500 folders and download or upload the files.

10.1.2. Access to the PBR-500(FTP Server) by using FTP Client Program.

[Step 1] : Install the FTP client program at your PC.

[Step 2] : Open the FTP client program.

[Step 3] : Put the request date / Host : FTP Server IP address / Username / Password

(The default port is "21", so no need to put if you did not indicate a special port number)

Bost: 172.16.37.174	C Q & R	₽ ⊞ *	Pass <u>w</u> ord		Bort:		Quelconnect 💌		
로벌 사이트: C:WDocume	ints and Settings₩∄i lecent iondTo	현석¥바람 :	화면₩			> <	515E YOIE:		
	iemplates iracing IserData	371	· 문류	마지막 수정 날자		2 3			
I.bmp [isoHunt]_Terminator Brochure_ALTECH_Er Freecom address.txt	. The, Sarah, Con, Iglish_1.pdf	3.628,854 14,839 3.039,220 127	비트 TOR Adob 텍스	17/03/2009 16:27:0 17/03/2009 17:35:0 25/02/2009 12:30:2 17/03/2009 11:43:2	77 72 75		DUS	371	86
페licenses.xls 10 파일, 총 크기: 11.571,2	40 HIOLE	19.456	Micro	13/03/2009 15:15:	33	M	빈 디렉토리 목록.		
Server/Local file	2s 2	오토 파왕		<u>3</u> 2	1 우선	상태			

[Step 4] : Now, your computer has been successfully accessed to the PBR-500 (FTP Server).

Host: 172.16.37.174 Username: adm	n P	asyod	Bort:	Quoicomect •				
inponse: 227 Entering Passive Mode (172,1 Iommand: LIST legonse: 150 OK legonse: 226 Transfer complete. Status: Directory listing successful	6.37,174,4,1)							
2 HOLE: C.WDocuments and SettingsW3	1 :204 225 V							
Send To Send To Send To Starplates Carplates Tracing South Send Tracing Sector Send Send Send Send Send Send Send Send			* * * * /					
D29 /	E KE	5R D.739	4					
480			E-mailer	22	2.0	DOD AT LOD	244	Owner
Linop Linop Diodvid, Teminator, The Sank Cot Diodvid, Teminator, The Sank Cot Diodvid, ALECK English, Lod Present allows Mio-35090, 28 PL/W. CH4R19921 G Brutchs, db G B	3.628.654 E 14.639 T 3.099.220 A 127 G 19.456 N 61.952 G 29.696 N 25.098 N 4.314.248 S	EE 17/05/ 10R 17/05/ Mob 25/02/ Mcro 13/03/ Mcro 13/03/ Mcro 15/02/ Mcro 25/02/ Mcro 25/02/ Mcro 12/03/	200 DBSS PHOTO 200 MUSIC 200 ALLAFEDA 200 ALLAFEDA 200 Preycled 200 Torrent 200 Content 200 Content	LE Constant	2 # DS #C DS #C DS #C DS #C DS #C DS #C DS #C DS #C	27/02/2009 19:37:00 27/02/2009 19:35:00 27/02/2009 19:35:00 27/02/2009 19:35:00 27/02/2009 19:34:00 27/02/2009 19:34:00 24/02/2009 14:31:00	driver-ver-ve driver-ver-ve driver-ver-ve driver-ver-ve driver-ver-ve driver-ver-ve driver-ver-ve	admin i admin i admin i admin i admin i admin i

Firmware Upgrade

11. Firmware Upgrade

Download an upgrade file from a local distributor in your country or visit at <u>www.myprobox.com</u> or send an email to <u>goprobox@gmail.com</u>.

While upgrading the firmware, DO NOT turn off the PBR-500.

How to upgrade the new firmware?

Currently, you can upgrade the new firmware through the HDD inside or an external USB storage.

[Step 1]: Connect the PBR-500 and TV and turn on the both devices.

[Step 2] Save the new firmware at the Root Directory of the HDD inside or the external USB storage.

[Step 3]: While you are pressing [Stop] button at the front panel of the PBR-500, unplug & plug the power cable.

[Step 4] : Take away your finders from the [Stop] button.

[Step 5] : Now, the PBR-500 is running the firmware upgrading. It takes more than 1 minute.

So, please be patient while upgrading.