

1.5 Starting WinHorizon Software Procedure:

- 1. Double-click **Winhorizon setup** icon on desktop or find the program in the **START** menu
- 2. Click the **TCP/IP** tab and confirm the computer IP address **192.168.1.51** is displayed (Fig. 10)
- 3. Click on the **Test** button, the test window should display:

 Active Connections Maximium Connections Broadcast Server Datasource Video Processor Video Processor RIB Support No USB Support Play Back Support Is Master Antenna power Stand by Bytes sent Bytes received 	0	sion 1.4.0.4
 Maximium Connections Broadcast Yes Server Datasource Video Processor VVI RIB Support USB Support USB Support Play Back Support Yes Is Master Antenna power Stand by Bytes sent Bytes received 	0	nnections 0
 Broadcast Yes Server Datasource USE Video Processor CVI RIB Support No USB Support Yes Play Back Support Yes Is Master Yes Antenna power No Stand by No Bytes sent 0 Bytes received 0 	0	1 Connections 1
 Server Datasource USE Video Processor CVI RIB Support No USB Support Yes Play Back Support Yes Is Master Yes Antenna power No Stand by No Bytes sent 0 Bytes received 0 	0	Yes
 Video Processor RIB Support USB Support USB Support Play Back Support Is Master Antenna power Stand by Bytes sent Bytes received O 	0	tasource USB
 RIB Support No USB Support Yes Play Back Support Yes Is Master Yes Antenna power No Stand by No Bytes sent 0 Bytes received 0 	0	cessor CVP
 USB Support Yes Play Back Support Yes Is Master Yes Antenna power No Stand by No Bytes sent 0 Bytes received 0 	0	ort No
 Play Back Support Is Master Antenna power Stand by Bytes sent Bytes received O 	0	ort Yes
 Is Master Antenna power Stand by Bytes sent Bytes received O 	0	Support Yes
oAntenna powerNooStand byNooBytes sent0oBytes received0	0	Yes
 Stand by No Bytes sent 0 Bytes received 0 	0	ower No
 Bytes sent Bytes received 0 	0	No
\circ Bytes received 0	0	0
	0	ived 0

a. Ensure that the numbers are the same as below when you hit the "Find" button (Fig. 10).

SETTINGS - RTI WinHorizon, Version 1.5.0.7 for Windows 2000									
General Display Antenna Hardware NMEA Chart TIFF TCP/IP Playback									
Server									
Address :	Address : 192.168.1.51								
Test	Server version: Active connections: Maximum connections: Broadcast: Server data source: RIB support: USB support: Playback support:	1.5.0.7 0 Is: 1 Yes USB Video Processor (VP) No Yes Yes							
Find	192.168.1.51	XIR3000C							
START CANCEL SAVE									

Figure 10. TCP/IP tab showing connection to radar is viable



4. In the **Playback** tab under "Path and Filename," click the radio button and navigate to the folder that you want to save WinHorizon in (Fig. 11)

SETTINGS - RTI WinHorizon, Version 1.5.0.7 for Windows 2000							
General Display Antenna Hardware NMEA Chart TIFF TCP/IP Playback							
Playback							
a 2010\2010 WinHorizon Recordings\2010-05-31 05-27-35\2010-05-31 05-27-35 00000002.rec							
Playback Skip Factor:							
Play back one file (one 360° sweep of the antenna) for every 1 (1 - 100) files recorded.							
Record							
Path: S:\BirdCave\Airport Project\Datasets\Airport Data 2010							
File Pretix: Recording (• User defined C Time and Date							
File Postfix Digits: 8 (3-10) Time range: approx. 7.0 years Capacity: approx. 5.6 TBytes (60 KB average file size)							
Recording Skip Factors:							
START LANUEL SAVE							

Figure 11. WinHorizon Set-up highlighting radio button for file saving

- 5. Under the General tab ensure that "Status" is set to Master
- 6. Under the **NMEA** tab ensure that "Radar Transceiver Position and Heading" has *Enable* checked off and that the correct Longitude and Latitude of the **radar** are entered (Fig.12)
- 7. You must also ensure that the *Heading* is entered correctly in the NMEA tab (Fig.12)
 - a. The number you type into the *Heading* corresponds to how many degrees the radar is offset from North (You will notice this in WinHorizon when the image does not look oriented properly)
 - If the offset is to the East, $Heading=0.0^{\circ}+Offset$
 - If the offset is to the North, *Heading=360*°-Offset



SETTINGS - RTI WinHorizon, Version 1.5.0.7 for Windows 2000									
General Display	Antenna Hardware	NMEA Chart TIF	F TCP/IP Play	/back					
Ports									
🗖 СОМ1	Speed: 4800		CM5 Speed:	4800 🔽					
COM2	Speed: 4800		COM6 Speed:	4800 🔽					
🗖 СОМЗ	Speed: 4800		OM7 Speed:	4800 🔽					
COM4	Speed: 4800		COM8 Speed:	4800 🔽					
PORT / NMEA Test									
Enable is checked off ding following value, if variation is missing. 0.0 * • West •									
Ansceiver Position and Heading (overrides NMEA inputs)									
🔽 Enable	Longitude: 122	° 6.713 ′ W V	V/E Head	ting: 0.0 °					
Latitude: 53 * 8.890 ' N N/S									
ARPA NMEA TTM Output heading offset									
Enable ARPA TTM output COM port: COM port: Output to file									
	START	CANCEL	SAVE						

Figure 12. NMEA Tab in WinHorizon Set-up

8. Click SAVE and then START to enter WinHorizon software