How to configure multiple DCD LapRs to receive Bluetooth Timing Data from the same DCD TimeR device through TimingBeam

Background

This document provides you with a set of step-by-step instructions in configuring multiple PCs running DCD LapR to talk to a given DCD TimeR device through TimingBeam.



About TimingBeam

TimingBeam is an RC lap timing software for RC racing enthusiasts. It is designed to talk directly with DirtChampDesign's DCD TimeR RC Lap Timing System through bluetooth to record lap times without the need of running DCD LapR timing software on a computer. With TimingBeam, RC racers may avoid the trouble of bringing their computer laptops to the race track but only to keep their focus on the RC gears they need. This also avoids the risk of having their laptops from getting stolen or damaged at the race track.

Trademark notice:

TimingBeam is a trademark of RCRacingWare. This product includes "range-seek-bar" developed by tittel@kom.e-technik.tu-darmstadt.de. Other products mentioned here, with or without trademarks or service marks, are the property of their respective owners.



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Configuration Procedure

1. For each PC running LapR, it needs to pair with the Android device running TimingBeam first before LapR can receive the Timing Data. To begin the pairing process, first of all, please switch on the TimeR device.



- 2. On your Android device, please take the following steps:
 - a. Launch TimingBeam;
 - b. Establish a connection with TimeR;
 - c. Click "Enable Client Connections" under Singleplayer/Multiplayer (Master) Mode.

SETTINGS	LAPTIMES	CHARTS	
Bluetooth Status:		0	
Connecting Paired Devic	e:		
Singleplayer /	Multiplayer (Mas	ter) Mode	1
Paired Timing	Device(s) availab	le for connection:	
1. DCD TimeR			4
Enable Client Connection	ons onnected	d Client(s):	
My Transponder ID:	0000		
Session Timer (min):	8		
Lap Time Logging:			
Ignore lap time if shorter than (sec):	3		
Start a new session if longer than (sec):	180		
	-		



- 3. On each of your PC running LapR, please take the following steps:
 - a. On your PC, click on the Windows button and enter "bluetooth" in the search toolbox. In the search result, please locate "Add a Bluetooth device" and click on the icon;

	1
Programs (1)	
8 Bluetooth File Transfer	
Control Panel (4)	
📾 Add a Bluetooth device 🖌	
Change Bluetooth settings Devices and Printers Add a Bluetooth device	
Set up a connection or hetwork	
	55
₽ See more results	
bluetooth × Shut down +	
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 Dn your Android device, go to "Settings" -> "Bluetooth" and click on the checkbox to make your Android device visible to the PC;





c. On your PC, your Android device will now be visible in the "Add a device" dialog window, double click on your device and confirm the pairing codes on both your PC and Android device;

er Ind display them here.
Samsung Galaxy Note 2 LTE Bluetooth Phone
Next Carrel







 d. After the pairing step is completed, click on the start button and enter "bluetooth" in the search toolbox again, this time please locate "Change Bluetooth settings" in the search result and click on the icon;

Programs (1)		
Bluetooth File Transfer		
Control Panel (4)		
Add a Rhustooth device		
Change Bluetooth settings		
View devices and printers	Devices and Printers Change Bluetooth settings	
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e. The "Bluetooth Settings" dialog window is now displayed. Under the "COM Ports" tab, identify the "outgoing" port number that has been assigned to your Android device (which is "*COM6*" in this example). You will need to update LapR with this port number information;

8 Bluetoo	oth Settings					×
Options	COM Ports	Hardware	Shared Folder	Audio	Bluetooth 3.0	+HS
This co determ that ca	mputer is u ine whethe me with yo	ising the CC r you need ur Bluetootl	DM (serial) ports a COM port, rea h device.	s listed b ad the d	elow. To ocumentation	
Port	Dir	ection	Name			
СОМ	3 Inc	oming				
СОМ	4 Ou	tgoing I	DCD TimeR 'Ser	rialPort'		
СОМ	5 Inc	oming	DCD TimeR		/	
COM	6 Ou	tgoing	Samsung Galax	y Note 2	LTE mingB	
СОМ	/ Inc	oming	Samsung Galaxy	y Note 2	LTE	
Choose	a COM po	rt for a Blue	Add	l device.	Remove	
			ОК	Can	cel A	pply



f. Launch the LapR application, under the Settings tab on the lower-right corner, select the port number which corresponds to the one identified in step "e" above (which is "*COM6*" in this example);

	SESSION		TRACK TEMP	t:mer in 1999	• •	×
Session statistic Best lap: Best heat: Least mistakes:	s	Best av Most tr Highest	erage: rack time: t lap count:	LapR: 1.1.5	Help	
	Lap time	Notes		Columns I Temp I Gap	Date	
				 Celsius Dual lap correction 	Fahrenheit enabled	
				Correction sensitivity: Lap time voice		
				Mistake Percentage TimeR serial port	25% COM6 COM0	
Practice Race	23:55 02 Aug	SOUND OFF	PRINT	Dashboard Tracks Settin	COM1 COM2 COM3 COM4 COM5 COM6 COM7 COM8 COM9	

g. Now the configuration step is completed.

Once your PCs and Android devices are properly paired after going through the steps above, here are the simple steps for LapR to connecting to TimeR through TimingBeam:

- 1. Switch on TimeR;
- 2. On your Android device:
 - a. Launch TimingBeam
 - b. Connect to TimeR
 - c. Click "Enable Client Connections" under Singleplayer/Multiplayer (Master) Mode.
- 3. On each of your PC:
 - a. Launch LapR
- 4. Now the LapR running on each PC will be able to receive Timing Data multi-casted by TimingBeam.

