

TOPIGEON V6 Electronic Timing System Software Menu

Table of Contents

1	Introduction.....	2
1.1	MAIN TARGET.....	2
1.2	PROTOCOL.....	2
2	Main Menu Functions	3
2.1	MAIN MENU –BASIC INFORMATION	3
2.2	MAIN MENU–PIGEON TIMER OPERATION.....	4
2.3	MAIN MENU–RECORDS INQUIRY.....	4
3	Basic Information.....	5
3.1	LOFT INFORMATION	5
3.2	PIGEON INFORMATION.....	6
3.3	RACE SET UP.....	7
3.4	RACE MANAGEMENT AND DATA DOWNLOAD.....	8
4	Pigeon Timer Operation.....	10
4.1	DATA UPLOADING	10
5	Inquiry	11
5.1	INQUIRY 1 : LAST	11
1.	By Race Number	11
2.	By Race Number and Ring Number	12
3.	By Ring Number	12
5.2	INQUIRY 2 : ALL	13
1.	By Race Number	13
2.	By Race Number and Ring Number	14
3.	By Ring Number	15

1 Introduction

1.1 Main Target

The software is for TOPIGEON V6 version Electronic Timing System. Fanciers can use the software to keep the data from the ETS systematically. The system is composed by 2 major parts:

- I. Pigeon basic data
- II. Downloading data to the ETS and uploading data from ETS

Together with the SMS function in the ETS, Topigeon ETS and software system can provide on-time, detail information of the pigeon to the fanciers in systematic format.

1.2 Protocol

The communication between the TOPIGEON ETS and the software is by RS232port. The setting is as the following :

- Communication Port : COM1 or COM2 (Appendix A : RS232 Port Operation Process)
- Baud rate : 115200 bps
- Data bit : 8
- Parity bit : No
- Stop bit : 1

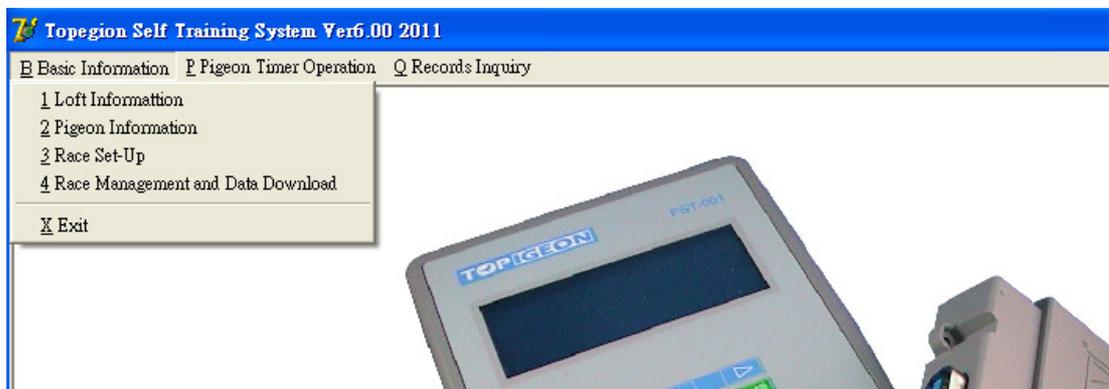
2 Main Menu Functions



Instructions:

- Main menu includes 3 sub-menus which are Basic Information, Timer Operation and Records Inquiry.
- When user connect reader or ETS correctly to the PC, the bottom part will show the communication status, On-Line or Off-Line。

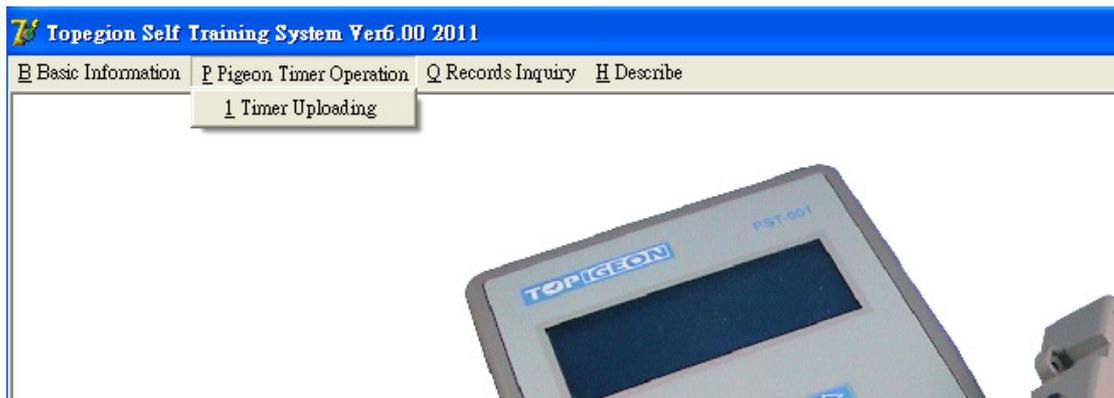
2.1 Main Menu –Basic Information



Instructions:

- Basic Information has 4 functions:
 - ✧ Loft Information
 - ✧ Pigeon Information
 - ✧ Race Set-up
 - ✧ Race Management

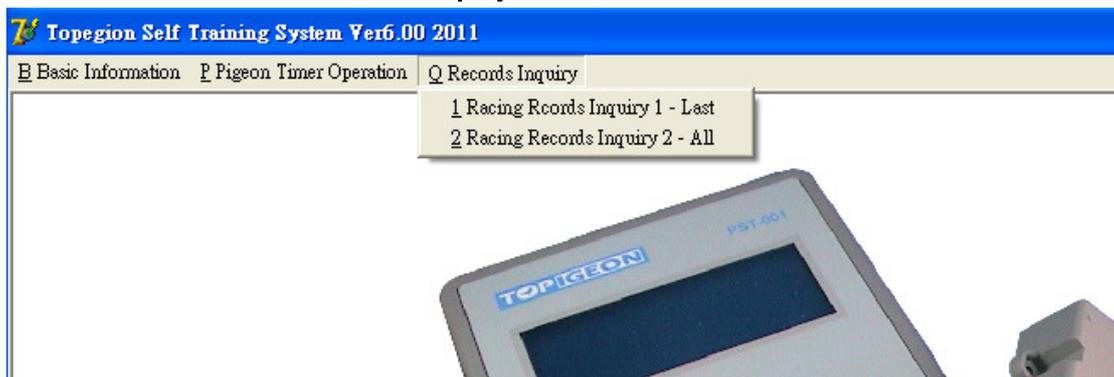
2.2 Main Menu–Pigeon Timer Operation



Instructions:

- Pigeon Timer Operation has 1 function:
 - ✧ Timer data uploading

2.3 Main Menu–Records Inquiry



- Records Inquiry has 2 functions:
 - ✧ Racing Records Inquiry 1-Inquiry for the latest race records
 - ✧ Race Records Inquiry 2-Inquiry for historical records

3 Basic Information

3.1 Loft Information

The screenshot shows the 'Loft Information Creation' window. The 'Loft No' field contains '0100'. The 'Loft Data' section contains the following information:

Loft No :	0100
Mobil Phone:	02-25163676
Loft Longitude:	E121' 32:03
Loft Latitude:	N025' 03:02

Instructions:

- New : Please enter “Loft Information” then click “New” to set up loft information. When complete, user click “Save” to finish the set up process.
- Edit : Please enter loft number then click “Edit” to modify the loft information. When complete, user click “Save” to finish the edit process
- Delete : User can delete the loft data by clicking the “Delete” . The system will confirm again before delete.
- Cancel : User can click “Cancel” during the above processes to cancel changes.
- Inquiry : User can click “Next” and “Last” or enter the loft number directly to check all the loft information in the data base.

3.2 Pigeon Information

Functions :

- User can set up basic information for each pigeon. User connects the reader to the PC then click the “RF On” and user can start to read the electronic ring number to the PC and match with the pigeon number. (Notice: When user correctly connect the reader to the PC and click “RF On” , the green LED on the reader will continuously flash.)

Instructions :

- New : Please clicks “RF On” to activate the reader, then put the electronic ring on the reader for reading electronic ring number, UID number to the system. User then clicks “New” to set up other information for the pigeon. When finish, please click “Save” to complete the process.
- Edit : Please click “RF On” and follow the above process to reader the electronic ring number, then click “Edit” to modify the data.
- Delete : Please click “RF On” and follow the above process to reader the electronic ring number, then click “Delete” to delete the data.
- Cancel : User can click “Cancel” during the above processes to cancel changes.
- Inquiry : User can use “First” , “Prior” , “Next” and “Last” to check

all the pigeon information in the data base.

Notice :

1. User can click the “RF Off” to stop the reader operation.
2. EPRingNo: Electronic Pigeon Ring Number
3. PRingNo: Pigeon Ring Number which usually issue by the clubs or associations.

3.3 Race Set Up

Functions :

- The race data is for calculating the daily training records. Please make sure always to update the data.
- If user set same RaceNo to upload timer records(Only restart the training timer everytime,not to download new raceno) , and user want to keep the historical records for reference ([Inquiry 2 : All](#)). Please make sure to update the RaceDate to training date ,before you upload the timer([Data Uploading](#)).

Instructions :

- New : Please enter 4 digits race number and click “New” to set up the race information. Please click “Save” to complete the process.
- Edit : Please enter 4 digits race number and click “Edit” to modify the race information. Please click “Save” to complete the process.
- Delete : Please enter 4 digits race number and click “Delete” to delete the

race information.

- Cancel : User can click “Cancel” during the above processes to cancel changes.
- Inquiry : User can use “First” , “Prior” , “Next” and “Last” to check all the pigeon information in the data base.

3.4 Race Management and Data Download

PRingNo	EPRingNo
101	11020005AA

PRingNo	EPRingNo
007	FA850100A5
008	FA850101BC
001	FA85010252
003	FA8501036A
010	FA85010425
009	FA85010588
006	FA85010688
002	FA85010709
011	FA850108E7
004	FA85010965
005	FA85011069

Functions :

- Set up the race number and participants of the race.

Instructions :

- New : Please choose the race number , and all the pigeons will be shown on the left side “Pigeon List-Unselected” . User can select pigeons to right side “Pigeon List-Selected” by arrow keys to participate in the race.
- Edit : Please enter 4 digits race number and click “Edit” to modify the race information. Please click “Save” to complete the process.
- Delete : Please enter 4 digits race number and click “Delete” to delete the race information.
- Cancel : User can click “Cancel” during the above processes to cancel changes.
- Data Download : After user save the racing information, user can download

racing data to the timer by train timer mode or race timer mode.
 Please make sure that the timer is correctly connected to the
 PC.

Notice : If the user selects “Race Timer”, then the timer will be under race mode and all the electronic rings can only be read once during the race. If the user selects “Train Timer”, then the timer will be under train mode and all the electronic rings can be read repeat(To restart training timer).

4 Pigeon Timer Operation

4.1 Data Uploading

The screenshot shows the 'Timer Record Upload' window. The table contains the following data:

PRingNo	EPRingNo	UID	Rank	BackTime	Speed(M)	FlyTime	Distance(KM)
006	FA850106	7254B573	5	2011/04/07 10:35:19.734	1095.15	03:05:19	202.962
005	FA850110	1839B573	4	2011/04/06 11:33:18.217	834.19	04:03:18	202.962
003	FA850103	B7648172	3	2011/04/06 11:33:13.730	834.45	04:03:13	202.962
001	FA850102	6C798172	2	2011/04/06 11:00:29.069	964.26	03:30:29	202.962
004	FA850109	18898172	1	2011/04/06 11:00:24.559	964.61	03:30:24	202.962
011	FA850108				0.00	00:00:00	0
002	FA850107				0.00	00:00:00	0
009	FA850105				0.00	00:00:00	0
010	FA850104				0.00	00:00:00	0
008	FA850101				0.00	00:00:00	0
007	FA850100				0.00	00:00:00	0

Below the table, the 'Race Name' dropdown is set to '001 Train01', 'Race No' is '001', 'Loft No' is '001', and 'Record Count' is '5'. The status bar at the bottom shows 'Pigeon Timer Connected...'.

Functions :

- This operation is for uploading timer information to the system and updates the data base data.

Instructions :

- Please correctly connect the timer to the PC.
- Please choose the race number, and the timer will upload the racing data to the system automatically.
- The system will automatically update the data and shows the Record Count for confirmation.

5 Inquiry

5.1 Inquiry 1 : Last

1. By Race Number

SEQ.	PRingNO	EPRingNO	UTD	BackTime	Speed(M)
1	101	11020005AA	149E997E	2011/02/22 16:08:08.602	443.010
2	008	FA850101BC	B32CB573	2011/02/22 16:08:18.159	442.856
3	003	FA8501036A	B7648172	2011/02/22 16:08:22.374	442.788
4	004	FA85010965	18898172	2011/02/22 16:08:26.107	442.728
5	005	FA85011069			0
6	011	FA850108E7			0
7	002	FA85010709			0
8	006	FA850106B8			0
9	009	FA8501058B			0
10	010	FA85010425			0
11	001	FA85010252			0
12	007	FA850100A5			0

Functions :

- User can check the latest race information in this item.

Instructions :

- Please enter the race number for all the information of the race.
- $\text{Speed(M)} = \text{Distance} / \text{time}$

Distance: Calculated by GPS location of the releasing point and the loft.

Time: Back time minus releasing time

Unit: m/minute

2. By Race Number and Ring Number

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Basic Information P Pigeon Timer Operation Q Records Inquiry

Race Record Inquiry - Unique

Inquiry Key

RaceNo: 002 Test02

PRingNo: [Dropdown]

SEQ.	PRingNO	EPRingNO	UID	BackTime	Speed(M)
1	101	FA85010252	B32CB573	2011/02/22 16:08:08.602	443.010
2	008	FA85010709	B32CB573	2011/02/22 16:08:18.159	442.856
3	003	FA8501036A	B32CB573	2011/02/22 16:08:22.374	442.788
4	004	FA85010965	B32CB573	2011/02/22 16:08:26.107	442.728
5	005	FA85011069			0
6	011	FA850108E7			0

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Basic Information P Pigeon Timer Operation Q Records Inquiry

Race Record Inquiry - Unique

Inquiry Key

RaceNo: 002 Test02

PRingNo: 008 FA850101BC

SEQ.	PRingNO	EPRingNO	UID	BackTime	Speed(M)
1	008	FA850101BC	B32CB573	2011/02/22 16:08:18.159	442.856

Instructions :

- Please enter race number and ring number for checking the data.

3. By Ring Number

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Basic Information P Pigeon Timer Operation Q Records Inquiry H Describe

Race Record Inquiry - Unique

Inquiry Key

RaceNo: [Dropdown]

PRingNo: 008 FA850101BC

SEQ.	PRingNO	EPRingNO	UID	BackTime	Speed(M)
1	008	FA850101BC	B32CB573	2011/03/18 10:19:21.917	1198.368
2	008	FA850101BC	B32CB573	2011/02/22 16:08:18.159	442.856

Instructions :

- Please enter ring number for checking the data(Different race number).

5.2 Inquiry 2 : All

1. By Race Number

SEQ	RaceName	RaceDate	Dist(KM)	PRingNo	EPRingNO	UID	BackTime	Speed(M)	Rank
1	Train01	2011/3/18	202.962	007	FA8501006E	E255B573	2011/03/18 10:19:17.057	1198.942	1
2	Train01	2011/3/18	202.962	004	FA8501097F	18898172	2011/03/18 10:19:19.990	1198.596	2
3	Train01	2011/3/18	202.962	008	FA85010117	B32CB573	2011/03/18 10:19:21.917	1198.368	3
4	Train01	2011/3/18	202.962	003	FA85010349	B7648172	2011/03/18 10:19:23.643	1198.165	4
5	Train01	2011/3/18	202.962	001	FA85010214	6C798172	2011/03/18 10:19:24.407	1198.075	5
6	Train01	2011/3/18	202.962	006	FA8501063D	7254B573	2011/03/18 10:19:26.145	1197.870	6
7	Train01	2011/3/18	202.962	002	FA85010724	B93BB573	2011/03/18 10:19:28.022	1197.649	7
8	Train01	2011/3/18	202.962	009	FA850105DE	2E648172	2011/03/18 10:19:30.116	1197.402	8
9	Train01	2011/3/18	202.962	005	FA85011037	1839B573	2011/03/18 10:19:32.209	1197.156	9
10	Train01	2011/2/17	202.962	005	FA85011069	1839B573	2011/02/16 17:37:30.295	243.797	1
11	Train01	2011/2/17	202.962	006	FA850106B8	7254B573	2011/02/16 17:42:55.390	245.393	1
12	Train01	2011/2/17	202.962	001	FA85010252	6C798172	2011/02/16 17:37:32.496	243.806	2
13	Train01	2011/2/17	202.962	007	FA850100A5	E255B573	2011/02/16 17:37:34.592	243.815	3
14	Train01	2011/2/17	202.962	008	FA850101BC	B32CB573	2011/02/16 17:37:36.557	243.825	4
15	Train01	2011/2/17	202.962	011	FA850108E7	F9C14E70	2011/02/16 17:37:39.412	243.840	5
16	Train01	2011/2/17	202.962	003	FA8501036A	B7648172	2011/02/16 17:37:41.395	243.850	6
17	Train01	2011/2/17	202.962	009	FA8501058B	2E648172	2011/02/16 17:37:43.082	243.861	7
18	Train01	2011/2/17	202.962	004	FA85010965	18898172	2011/02/16 17:37:46.954	243.872	8

Functions :

- User can check all the historical data in this category. Since each race might have different racing date, user can check the Race Date column for reference.
- Please make sure the Race Date in each race is correctly maintained.

Instructions :

- Please enter the race number for all the information of the race.

Race Records List

RaceNo : 001 Train01
EPRongNo :

SEQ	RaceName	RaceDate	Dist(KM)	PRingNo	EPRingNo	BackTime	Speed(M)	Rank
1	Train01	2011/3/18	202.962	007	FA8501006E	2011/03/18 10:19:17.057	1,198.942	1
2	Train01	2011/3/18	202.962	004	FA8501097F	2011/03/18 10:19:19.990	1,198.596	2
3	Train01	2011/3/18	202.962	008	FA85010117	2011/03/18 10:19:21.917	1,198.368	3
4	Train01	2011/3/18	202.962	003	FA85010349	2011/03/18 10:19:23.643	1,198.165	4
5	Train01	2011/3/18	202.962	001	FA85010214	2011/03/18 10:19:24.407	1,198.075	5
6	Train01	2011/3/18	202.962	006	FA8501063D	2011/03/18 10:19:26.145	1,197.870	6
7	Train01	2011/3/18	202.962	002	FA85010724	2011/03/18 10:19:28.022	1,197.849	7
8	Train01	2011/3/18	202.962	009	FA850105DE	2011/03/18 10:19:30.116	1,197.402	8
9	Train01	2011/3/18	202.962	005	FA85011037	2011/03/18 10:19:32.209	1,197.156	9
10	Train01	2011/2/17	202.962	005	FA85011069	2011/02/16 17:37:30.295	243.797	1
11	Train01	2011/2/17	202.962	006	FA850106B8	2011/02/16 17:42:55.390	245.393	1
12	Train01	2011/2/17	202.962	001	FA85010252	2011/02/16 17:37:32.496	243.806	2
13	Train01	2011/2/17	202.962	007	FA850100A5	2011/02/16 17:37:34.592	243.815	3
14	Train01	2011/2/17	202.962	008	FA850101BC	2011/02/16 17:37:36.557	243.825	4
15	Train01	2011/2/17	202.962	011	FA850108E7	2011/02/16 17:37:39.412	243.840	5
16	Train01	2011/2/17	202.962	003	FA8501036A	2011/02/16 17:37:41.395	243.850	6
17	Train01	2011/2/17	202.962	009	FA8501058B	2011/02/16 17:37:43.082	243.861	7

Instructions :

- Please click “Print” for printing out.

2. By Race Number and Ring Number

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Basic Information P Pigeon Timer Operation Q Records Inquiry

Race Record Inquiry - Multiple

Inquiry 查詢 Key

RaceNo: 001 Train01
PRingNo: 001 FA85010252

SEQ	RaceName	RaceDate	Dist(KM)	PRingNo	EPRingNO	UID	BackTime	Speed(M)
1	Train01	2011/3/18	202.962	001	FA85010214	6C798172	2011/03/18 10:19:24.407	1198.075
2	Train01	2011/2/17	202.962	001	FA85010252	6C798172	2011/02/16 17:37:32.496	243.806
3	Train01	2011/2/16	201.734	001	FA85010252	6C798172	2011/02/16 16:52:46.325	378.650
4	Train01	2011/2/15	201.734	001	FA85010252	6C798172	2011/02/16 15:30:52.245	447.432

Instructions :

- Please enter race number and ring number for checking all the records in different racing date.

Race Records List

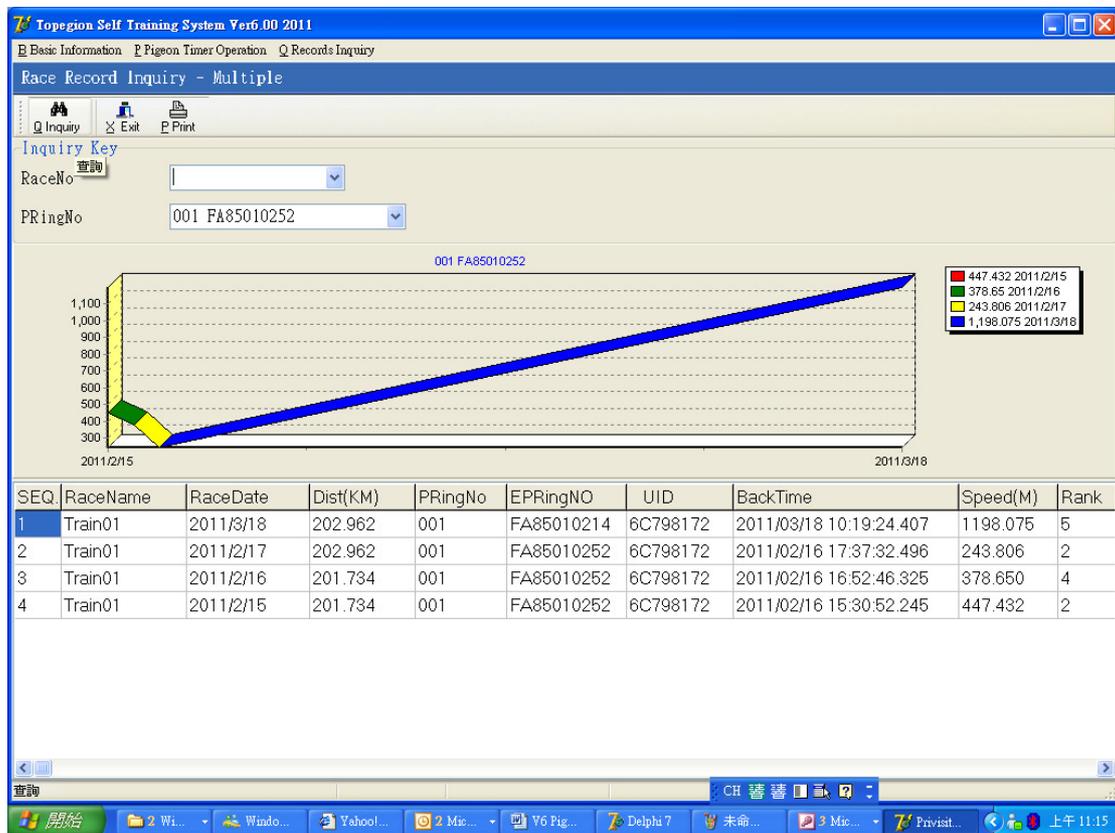
RaceNo : 001 Train01
EPRongNo : 001 FA85010252

SEQ	RaceName	RaceDate	Dist(KM)	PRingNo	EPRingNo	BackTime	Speed(M)	Rank
1	Train01	2011/3/18	202.962	001	FA85010214	2011/03/18 10:19:24.407	1,198.075	5
2	Train01	2011/2/17	202.962	001	FA85010252	2011/02/16 17:37:32.496	243.806	2
3	Train01	2011/2/16	201.734	001	FA85010252	2011/02/16 16:52:46.325	378.650	4
4	Train01	2011/2/15	201.734	001	FA85010252	2011/02/16 15:30:52.245	447.432	2

Instructions :

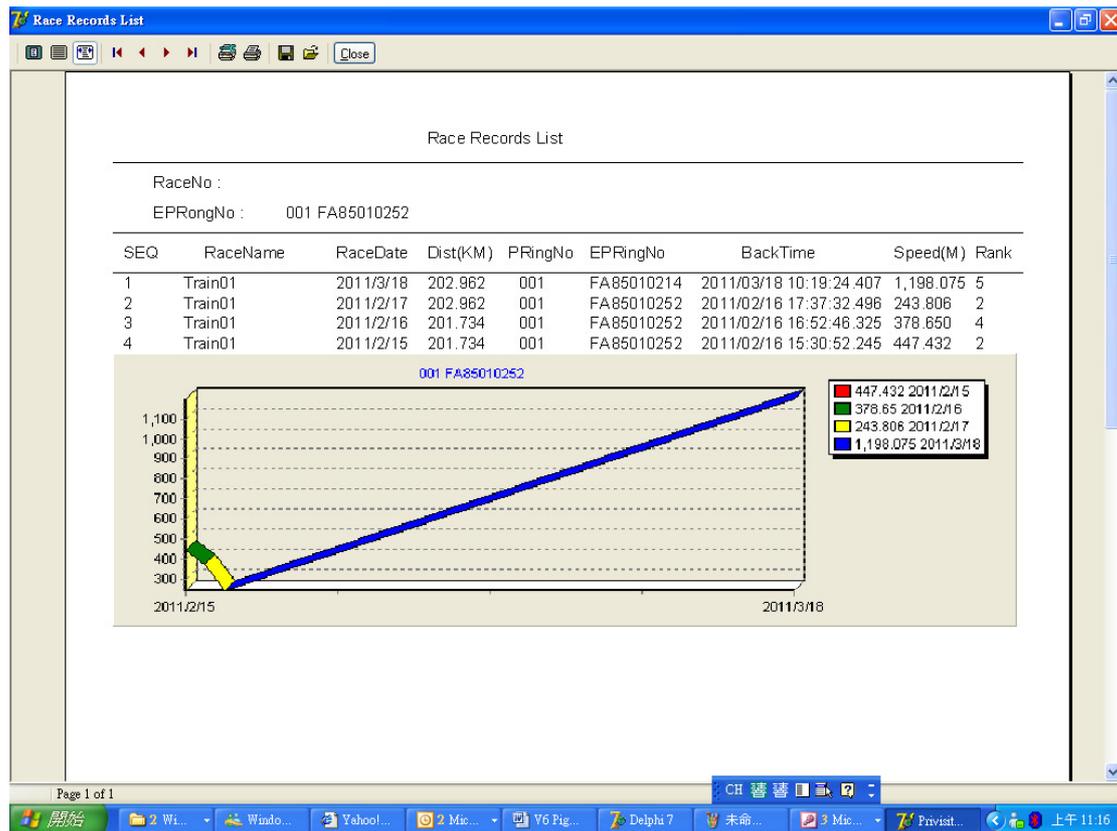
- Please click “Print” for printing out.

3. By Ring Number



Instructions :

- Please enter Pigeon Ring Number to check all the records of the pigeon.
- User can also use various charts for reference.



Instructions :

- Please click “Print” for printing out.
- User can also use various charts for reference.