



Driver's Memory Key



Taxi Data Exchange System

The software interface displays multiple data tables and reports. Key components include:

- Trip Details Table:**

Trip ID	Driver ID	Start Date	End Date	Start Time	End Time	Start Loc	End Loc	Fare	Tip	Total	Status
1373884	1373884	09/24/2000	09/24/2000	08:03	19:30	1373884	1373884	170.90	10.00	180.90	Completed
- Shift Report Table:**

Shift ID	Driver ID	Start Date	End Date	Start Time	End Time	Total Fare	Total Tip	Total
1373884	1373884	09/24/2000	09/24/2000	08:03	19:30	170.90	10.00	180.90
- Driver Statistics Table:**

Driver ID	Driver Alias	Total Trips	Total Income	Total Distance	Total Time
1373884	unknown	40	201.47	620.3	22:15
- Charts:**
 - Bar Chart:** Shows trip counts by date from 09/24/2000 to 09/30/2000.
 - Pie Chart (Income):** Breaks down income by trip status (e.g., Completed, Cancelled).
 - Pie Chart (Distance):** Breaks down total distance by trip status.
 - Pie Chart (Time):** Breaks down total time by trip status.
- Reports:**
 - Shift Report:** Detailed breakdown of a specific shift.
 - Driver Report:** Comprehensive overview of a driver's performance.

User Friendly, Powerful and Reliable

Introduction

The Digitax Data Exchange System relies on the ability of the Digitax F1 taximeter to generate and store a great quantity of information about trips, shifts, events such as tariffs change, extras management, overspeed, meter power off and more.

Our system allows the company to quickly collect these data using many different carriers with different characteristics and capabilities in order to satisfy different company requirements: infrared link, medium range radio modem, mobile phone modem, reliable 1 contact memory keys and, obviously, direct cable connection. Moreover, the same system allows to easily modify meter settings such as tariffs, progdates, ticket receipt format and graphic logos, smart roof sign texts and any other required parameter, even differentiating cars in any desired number of groups.

These data and settings are stored on a standard PC-based Database, with programs that let the user to view and to analyze downloaded data making reports, statistics or chart, to manage tariffs and settings update, or to make cashier operations, thus enabling the management to monitor and optimize the fleet usage and the service. Whatever is the data carrier used to communicate with the meter, the database, the analysis and the cashier programs are the same: this gives the flexibility of changing and improve the system in the future without losing your old data.

This document describes the Digitax system referring to the characteristics of the 1 contact memory keys (also referred as Keys System). This data carrier is very cost effective and easy to use and can be the right choice if not a large amount of data need to be downloaded from or uploaded to the taximeter, but on the other hand some advanced features of the Data Exchange System will have some limitations or a lower degree of automation.



Digitax Key System Overview

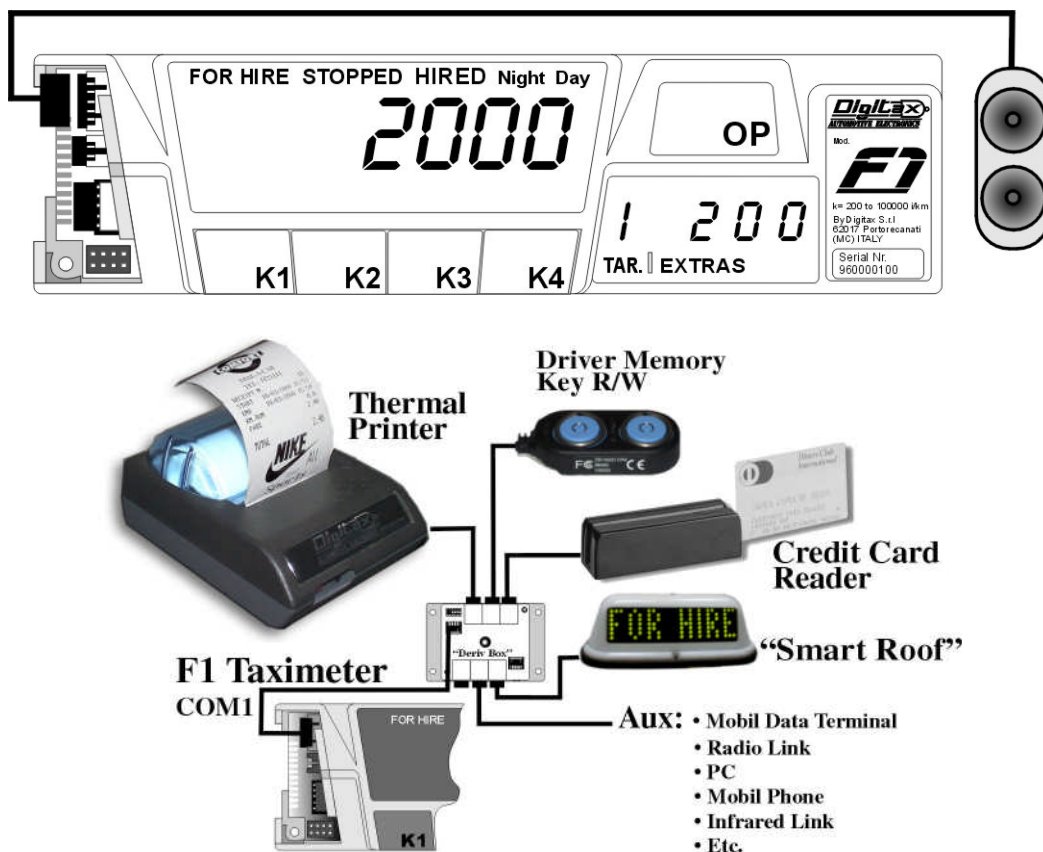
The Keys are solid state memories that can be reliably used because they communicate with only 1 electric contact that is their wide external surface.



Their current memory amount let the driver to transfer into a single key more than one week of work with full details of each trip, shift and every other information like overspeed, power off, E-seal. If more data need to be transferred, it's possible either to use more than one key or to reuse the same key after that it has been downloaded by the PC.

The meter is able to store the last 3 months of work in its internal memory. These data can be downloaded using the keys whenever desired, also in a selectively way, so that it is always possible to recover data that for any reason has been lost.

The basic hardware structure into the car is composed by the Digitax F1 meter and by a Key Reader connected to it. Many other configurations can be done, adding for example the thermal printer "Mod.Due", a magnetic card reader, a taxi POS or an additional communication device.



Another key reader will be connected to every PC used to download the data, for example for every PC used as a Cashier station.

The base station can be just a single computer for a little company, used to read/write keys, to store database and make data analysis and cashier operations, but can easily become a wide local network with many PC stations.

Data download Operations

The basic operation for the driver involves opening and closing the shift using his driver key and then carrying it to the office where it will be downloaded and updated:

1 - Shift Open

If the shift is closed the meter shows "closed" on the main display and is locked.

To start working the driver has to hold his own driver key on the key reader and then press K2 then K4 on the meter. After the meter has shown "o-shift" the driver key can be removed from the reader.

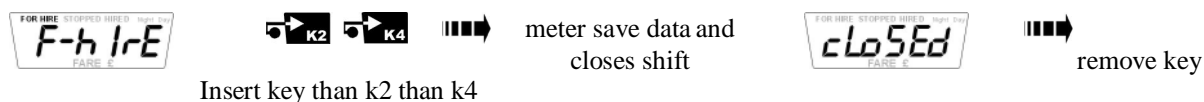


2 - Shift Close

When the driver ends his work he has to close the shift holding again his own driver key into the reader, then pressing K2 than K4 on the meter.

The meter reads the key and save on it all new data that has been required by the key itself.

After the meter shows again "cLoSEd" the driver key can be removed from the reader.



3 - Download key data into the PC

The same key can open and close shifts only for a customer programmed number of times, from 1 to 32768: this obliges the drivers to come to the company office to download and update his driver key.

When the key is read by the PC, data coming from the meter is stored in the database, the key memory is emptied and its shift counters restored at their default values.

Insert key in the PC reader PC automatically download data and restore driver key optional cashier operation and receipt printing

The PC operator can, if desired, manage a cash operation and print a receipt for the driver with both a Windows printer and the Digitax thermal printer "Mod.Due".

A special operation mode is provided to manage cashier operations without the need of a PC operator (typically used for night shifts).

Data are also immediately available for creating reports, analysis and statistics.

Tariffs update Operations

Keys can be used to update meter's tariffs, M.E.S., progdates, ticket header and ticket footer.

1 - Compile new tariffs

Tariffs and other town settings can be modified into the main PC using the F1 program.

Use the "Compile" item in the menu to made new settings available also for the Key System.

2 - Save tariffs into key

Use the "Comm.Server" program to load the compiled tariffs and/or header/footer settings into any desired memory key.

3 - Load tariffs into the meters

Read the key in any meter you want to update, holding the key into the reader and pressing K2 than K4.

When the meter will show the "End" message you can remove the key.

4 - Update vehicles database

When cars have been updated than you can, if you want, come back to the office and process the used tariffs key just like it was a driver key.

The database will receive the new CRC values for all the vehicles that have been updated with that key.

Tariffs CRC field of the database is also updated every time the system processed a Driver Key.

Data recovery Operations

It is always possible to recover already downloaded data from the taximeter, because it can store some months of work into its memory.

To do this it is possible to format a Key requiring the desired data, specifying a date filter and a driver ID filter to reload directly only what is desired.

Anyway data duplication into the database is not possible because the system always disregard data that it already finds into its tables.



The PC Side structure

Before describing some typical Base Stations for the Key System, it is necessary to shortly introduce the main programs that can be used.

- **Comm. Server program:**

It is the one that manages all the communications with the meter and, in this case, provides the interface with the memory keys.

It can automatically process keys whenever they are inserted into the reader, moving their data in the main database.

It can also be used by an operator to do special tasks such as keys formatting, data recovery, tariffs key formatting.

Despite its simple interface it is the core of the system, for it manages meter, memory keys and database tables with all their formats and protocols, keeping a high degree of automation and flexibility.

- **Cashier program**

Manages cashier operations, giving the possibility to modify some not on meter values of the downloaded shifts, printing reports of the shifts and a summary of the transaction done.

This reports can be printed also on the Digitax "Mod.Due" thermal printer to have a cheap and quick "ticket like" cashier operation receipt.

In Automatic mode the Cashier program processes and prints data without the need of an operator: the driver only needs to hold his key into the reader and wait for the printed receipt.

- **DB Analysis program**

It is used to analyse database contents. All data details can be viewed, using powerful filtering options to select only desired data and extracting from them vehicles and drivers statistics and charts.

The behaviour of the taxi company can be monitored and optimised.

Features of this program include also dynamic Tariffs and Ticket Advertising management, but these highly automated features can be only partially used with a not "real time" connection device like the memory key.

- **DB Maintenance**

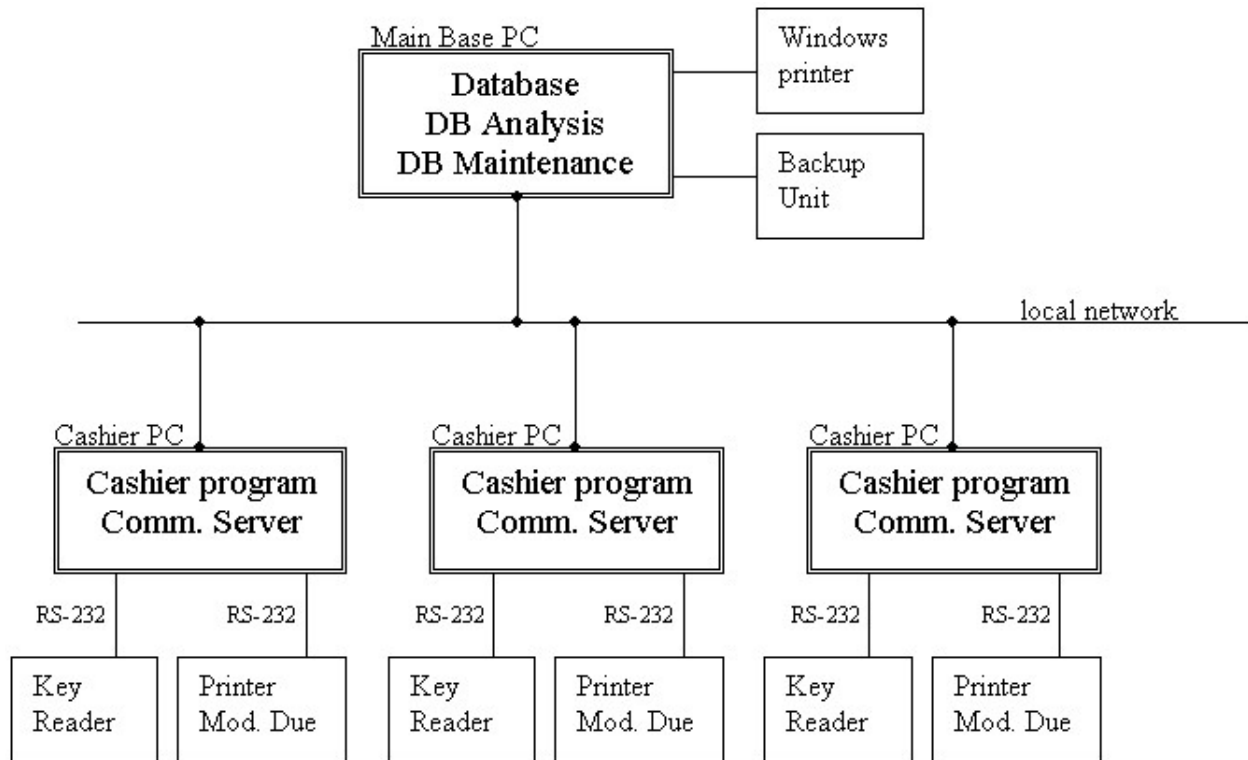
It is a service program that is used to manage database version updates without losing old data, to recover and preserve database functionality, and to do data backups.

The backup feature can also be used to extract (remove) from the database data that is too old, saving it in another historical offline database and keeping online only newer data.

A typical hardware configuration could have some download and cashier PC stations with another PC that act as a database server and from where administrative tasks are carried on.

All computers are connected together in a local network so to share the same database.
The configuration can be easily changed to match the company requests.

For little companies all programs can run on just one standard PC, thus reducing the hardware cost of the system.



All PC's have standard hardware and can be easily configured and managed.

The Main Base PC is used to store and manage the database and so it has more power and reliability requirements, that can be accomplished using more RAM memory and using an hard disk configuration that provides quick access time and data redundancy, typically a RAID configuration.

The Operative System for the main PC is strongly suggested to be Windows NT (server or also workstation if the PC must not act as a LAN server), whereas for the Cashier PC's also Windows 98 could be a choice, but Windows NT workstation is always preferred due to higher reliability and security features.

The currently used database is in Paradox 7 format.

If required could be possible to modify programs for interfacing other formats or a database server, using BDE or ODBC drivers.

When using a database server, data backup and recover have to be done using the tools of the server instead of using the DB Maintenance program.

Shift Database Record

A Shift record is produced by the meter whenever the driver ends his work and "closes" the meter.

Shift data are summary data directly calculated by the taximeter. They are saved in two database tables, one with relative data and the other with absolute data.

Field	Data Type	Size in Bytes
Car and Company ID	Text	20
Driver ID	Integer	4
Shift Serial Number	Integer	4
Start Date	Integer	4
Start Time	Short	2
End Date	Integer	4
End Time	Short	2
Trips Quantity	Integer	4
Units Quantity	Integer	4
Total Income	Double	8
Fare Income	Double	8
C/Card Income	Double	8
Extra Income	Double	8
Tax Income	Double	8
Not on Meter Income *	Double	8
Programmable Income 1*	Double	8
Programmable Income 2*	Double	8
Programmable Income 3*	Double	8
Report Payroll Number *	Integer	4
Total Distance	Double	8
For Hire Distance	Double	8
Hired Distance	Double	8
Black trips Distance	Double	8
Overspeed Distance	Double	8
For Hire Moving Time	Integer	4
Hired Moving Time	Integer	4
Waiting Time	Integer	4
Total Time	Integer	4
Units for Tariffs 1:6 & Extra (7 fields)	Integer*7	4*7
Income for Tariffs 1:6 & Extra (7 fields)	Double*7	8*7
Distance for Tariffs 1:6 & Extra (7 fields)	Double*7	8*7
Customs for Tariffs 1:6 & Extra (7 fields)	Double*7	8*7
		Tot. 376

* not supplied by the taximeter, but optionally filled by the operator when the driver ends his shift and go to the cashier

- Assuming an average of 1 day for every shift, this is the number of database records and the table size after one day and after one year:

	1000 cars
Records after 1 day	1,000
Table size after 1 day	0.4 Mb
Records after 1 year	356,000
Table size after 1 year	146 Mb



Trips Database Record:

Trips records store the details of every trip made by the meter. The following are the saved fields, with their types and sizes in bytes. The total size of each record is 152 bytes.

Field	Data Type	Size in Bytes
Car and Company ID	Text	20
Driver ID	Integer	4
Trip Sequential Number	Integer	4
Start Date	Integer	4
Start Time	Short	2
End Date	Integer	4
End Time	Short	2
Fare Income	Double	8
Extras Total Income	Double	8
Tips Income	Double	8
Total Distance	Double	8
Hired Distance	Double	8
Trip Type	Char	1
Payment Type	Char	1
Credit Card Number	Text	20
C.Card Expiration Date	Integer	4
Authorisation Number	Integer	4
Max. Speed	Short	2
Start GPS coordinates	Integer*2	8
End GPS coordinates	Integer*2	8
Extra Income, type 1	Short	2
Extra Income, type 2	Short	2
Extra Income, type 3	Short	2
Extra Income, type 4	Short	2
Extra Income, type 5	Short	2
Extra Income, type 6	Short	2
Extra Income, type 7	Short	2
Extra Income, type 8	Short	2
Extra Income, type 9	Short	2
Extra Income, type 10	Short	2
Extra Income, type 11	Short	2
Extra Income, type 12	Short	2
		Tot. 152

- Assuming an average of 30 trips every day, this is the number of database records and the table size after one day and after a month:

	1000 cars
Records after 1 day	30,000
Table size after 1 day	4.5 Mb
Records after 1 month	900,000
Table size after 1 month	135 Mb

Important Note

If this is the actual data load of the system, than it will be not possible with a Paradox database and a standard PC to keep Trips data on-line for more than one month: older trips data have to be backedup and extracted from the main database once a month, and than they will be available only for off-line consultation.

DB Analysis program Screen Shots

Shift Details:

From this window it's possible to filter and view the details of every downloaded shift, previously selecting the desired Car, Driver and period of time or using the advanced, full combination, filter.

DB Analysis - C:\Digitax\Database

Vehicles Trips Details E-Seal OverSpeed PowerOff Tariffs Update Advertising Scheduled Advert. Setup Passwords Help

Filter by Shift End Date:
From: 25/09/2000 To: 25/09/2000
☐ enable Date Filter

Filter by PayRoll:
☐ PayRoll not assigned
☐ Payroll equal to:

Driver ID Driver Alias First Name Name

56331			
172895			
832197			
1107146			
1123048			
1176392			
1202465			
1281452			
1373884			

Filter Shifts by Car IDs starting with:

☒ enable Car ID Filter ☐ enable Driver Filter ☐ enable Adv. Filter

Apply Filters Remove All Filters

Hide Drivers >>

Car ID	Driver ID	Shift N.	Date Start	Time Start	Date End	Time End	PayRoll N.	Qty Trips	Units	Meter Fare	Meter Total	Inc.C.Card	Meter Extl	Inc.Tax	Inc NotOnMtr	Airport
▲ S00HA5561P	1486573	784	06/10/1999	22:36	07/10/1999	01:49	8	5	169	28.90	38.75	0.00	9.85	0.00	0.00	0.00
▲ S00HA5561P	999999999	785	07/10/1999	11:23	07/10/1999	17:07	9	13	572	88.40	88.40	0.00	0.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	786	07/10/1999	17:07	07/10/1999	19:58	13	6	423	56.70	62.50	0.00	5.80	0.00	0.00	0.00
▲ S00HA5561P	999999999	787	08/10/1999	09:24	08/10/1999	17:07	15	17	835	124.30	125.30	0.00	1.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	788	08/10/1999	17:07	08/10/1999	17:07		0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	789	08/10/1999	17:07	09/10/1999	01:19	11	17	855	126.30	154.60	0.00	28.30	0.00	0.00	0.00
▲ S00HA5561P	999999999	790	09/10/1999	09:37	09/10/1999	17:45	10	18	354	78.60	84.60	0.00	6.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	791	09/10/1999	17:45	09/10/1999	23:28		13	672	98.40	104.00	0.00	5.60	0.00	0.00	0.00
▲ S00HA5561P	999999999	792	09/10/1999	23:31	10/10/1999	00:07		1	121	14.50	14.90	0.00	0.40	0.00	0.00	0.00
▲ S00HA5561P	999999999	793	10/10/1999	08:29	10/10/1999	20:22	12	31	1221	196.50	196.50	0.00	0.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	794	10/10/1999	20:22	10/10/1999	21:55		3	262	33.40	33.40	0.00	0.00	0.00	0.00	0.00
▲ S00HA5561P	999999999	795	10/10/1999	22:03	11/10/1999	17:27	14	24	782	135.80	136.80	0.00	1.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	796	11/10/1999	17:27	12/10/1999	00:40		16	949	133.30	148.00	0.00	14.70	0.00	0.00	0.00
▲ S00HA5561P	999999999	797	12/10/1999	09:09	12/10/1999	17:04		8	406	59.80	60.80	0.00	1.00	0.00	0.00	0.00
▲ S00HA5561P	1486573	798	12/10/1999	17:04	12/10/1999	19:59		7	271	43.90	56.00	0.00	12.10	0.00	0.00	0.00

☒ Absolute Shifts ☐ Relative Shifts
☐ Sort by Shift End Date
☐ Delete Records!
☐ Edit Book Data
☐ Synchronize Remote DB
☐ View Summary
☐ Build Vehicle Summary
☐ Build Driv. Summary
☐ Shifts Report
☐ Book Report
☐ Quit

Its a tabular printout of all filtered shift details.

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Shift Vehicle or Driver Summaries

Shift data can be used to build summaries for every defined driver or car: these summaries describe how work has been distributed among drivers and vehicles, showing total and percentage values for every income, distance or time field. This can be calculated after having filtered only the desired shifts (for example only a specific period of time).

Shifts Summary														
Drivers Statistics:														
Driver ID	Tips	Inc. Total	Inc. Fare	% Inc. Fare	Inc. C. Cred	% Inc. C. Cred	Inc. Extra	% Inc. Extra	Dist. Total	Dist. Hired	% Dist. Hired	Dist. For Hire	% Dist. For Hire	Time Total
56331	81	526.40	526.40	100.0%	0.00	0.0%	0.00	0.0%	897.2	693.3	77.3%	203.8	22.7%	42:07
172895	43	399.25	358.50	89.8%	0.00	0.0%	40.75	10.2%	553.6	425.1	76.8%	128.4	23.2%	27:32
832197	4	23.50	23.50	100.0%	0.00	0.0%	0.00	0.0%	33.6	27.4	81.4%	6.2	18.6%	01:25
1107145	1390	9779.40	9601.40	98.2%	0.00	0.0%	178.00	1.8%	17458.4	13153.5	75.3%	4304.8	24.7%	575:57
1123048	252	1740.00	1636.50	94.1%	0.00	0.0%	103.50	5.9%	2793.1	2183.4	78.2%	609.7	21.8%	88:18
1176392	1668	13822.25	11972.40	86.6%	0.00	0.0%	1849.85	13.4%	27601.4	17058.1	61.8%	10543.3	38.2%	1238:40
1202465	247	1873.25	1693.40	90.4%	0.00	0.0%	179.85	9.6%	3423.6	2274.4	66.4%	1149.2	33.6%	155:18
1281452	125	904.25	825.20	91.3%	0.00	0.0%	79.05	8.7%	1637.1	1126.6	68.8%	510.4	31.2%	88:25
1373894	40	333.40	273.80	82.1%	0.00	0.0%	59.60	17.9%	620.6	409.1	65.9%	211.5	34.1%	22:15
1472948	1181	8728.75	8313.40	95.2%	0.00	0.0%	415.35	4.8%	16982.4	11747.5	69.2%	5234.9	30.8%	729:56
1486573	1352	12971.30	10354.00	79.8%	0.00	0.0%	2617.30	20.2%	22750.2	15657.6	68.8%	7092.5	31.2%	693:53
1777506	1450	10884.55	9871.20	90.7%	0.00	0.0%	1013.35	9.3%	19750.1	13500.9	68.4%	6249.2	31.5%	669:00
2164741	183	1203.60	1170.60	97.3%	0.00	0.0%	33.00	2.7%	2077.7	1550.7	74.6%	526.9	25.4%	72:43
99999999	39960	279811.30	261533.30	93.5%	0.00	0.0%	18278.00	6.5%	501070.3	338627.3	67.6%	162442.9	32.4%	27083:27
13363560	7090	48362.30	42871.60	88.6%	0.00	0.0%	5490.70	11.4%	90141.7	55528.5	61.6%	34613.2	38.4%	4439:28

Back

Average

Totals

Values

All

Total

Details

Data view:

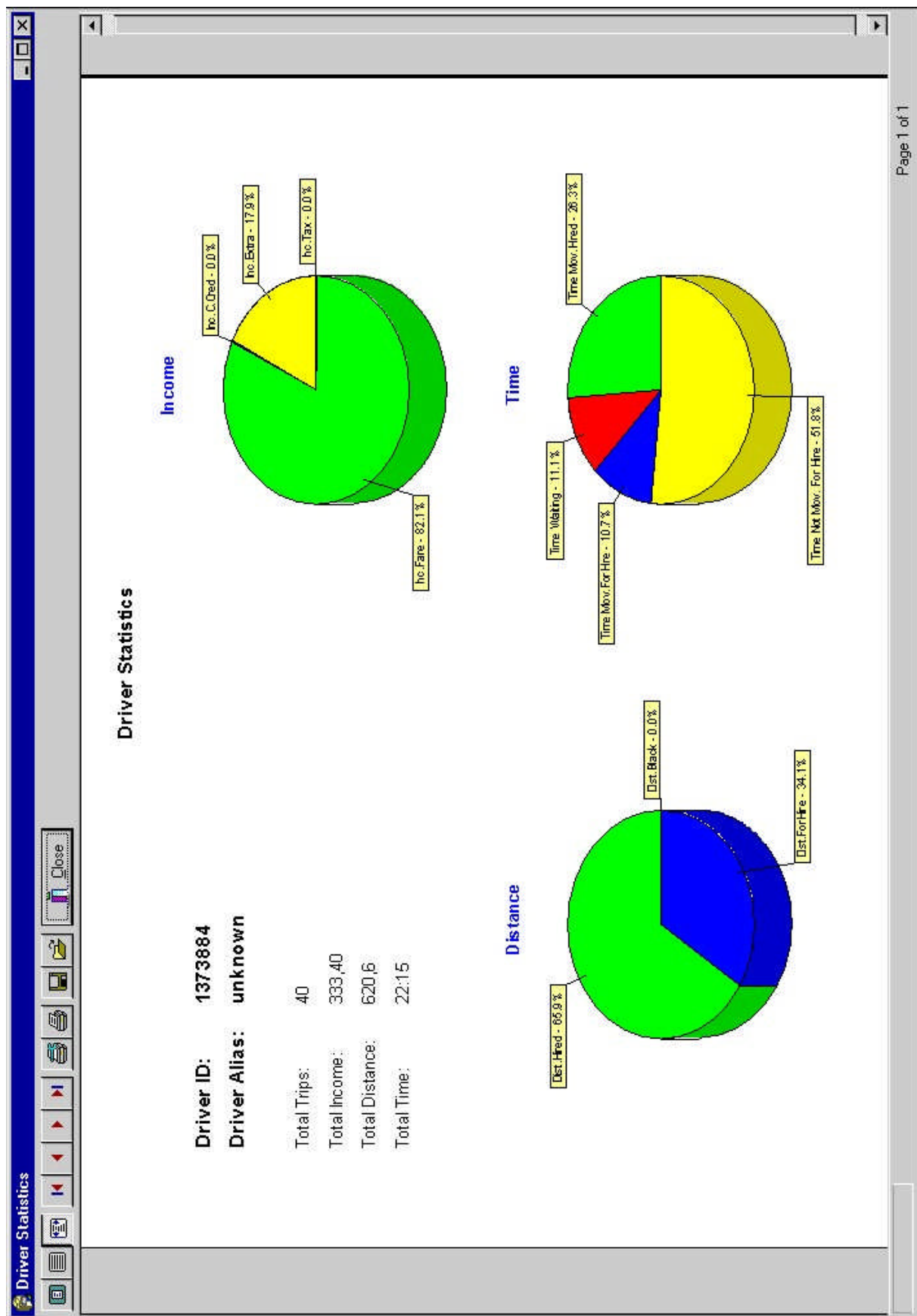
Bar Graph Report

Pie Chart Report

Shifts Summ. Report

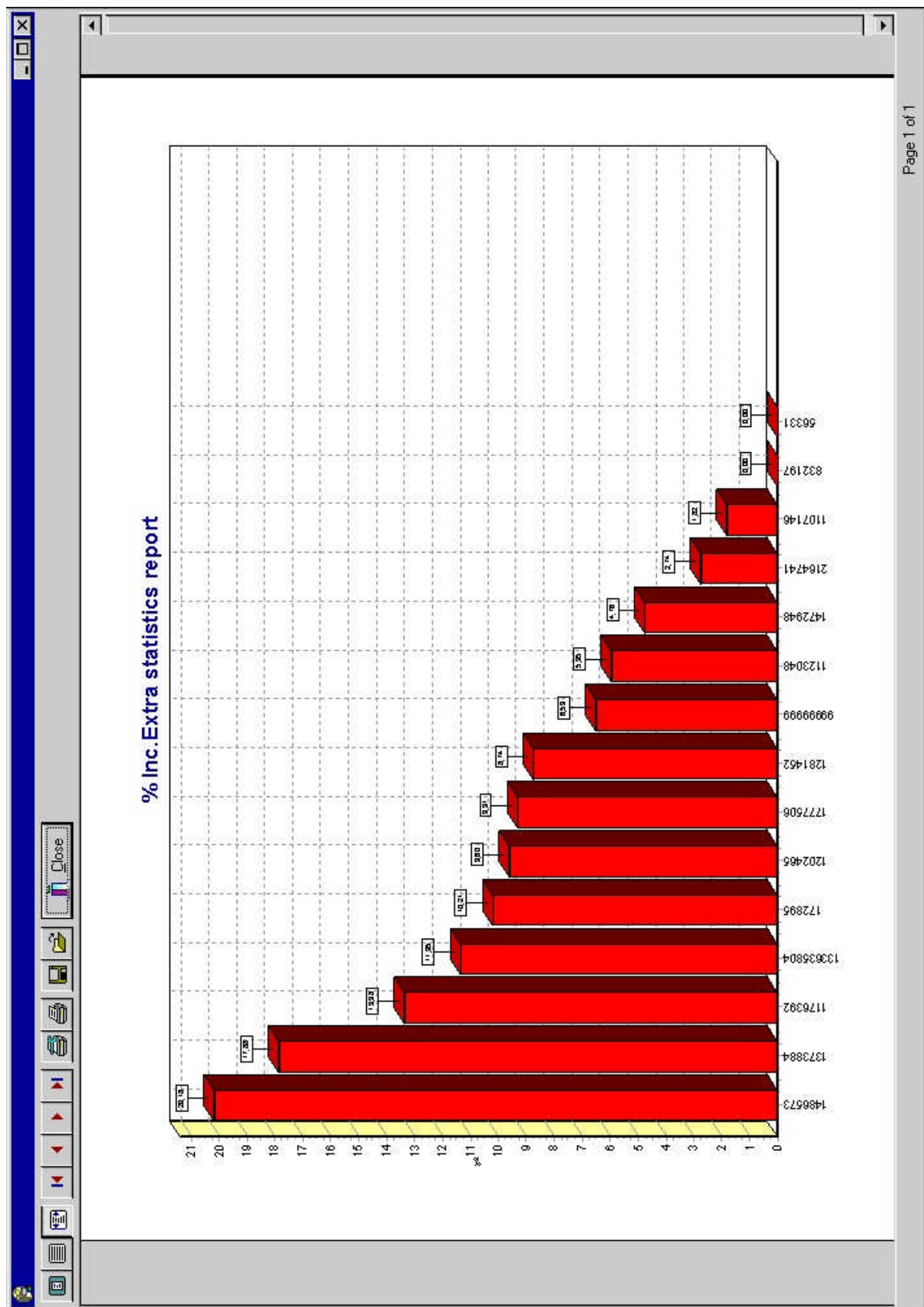
Driver or Vehicle Summary Pie Chart Report

This report shows for a single driver or car how income, distance and time are distributed during meter's work.



Driver or Vehicle Summary Bar Graph Report

Compare vehicles or drivers using any of the shift data items.

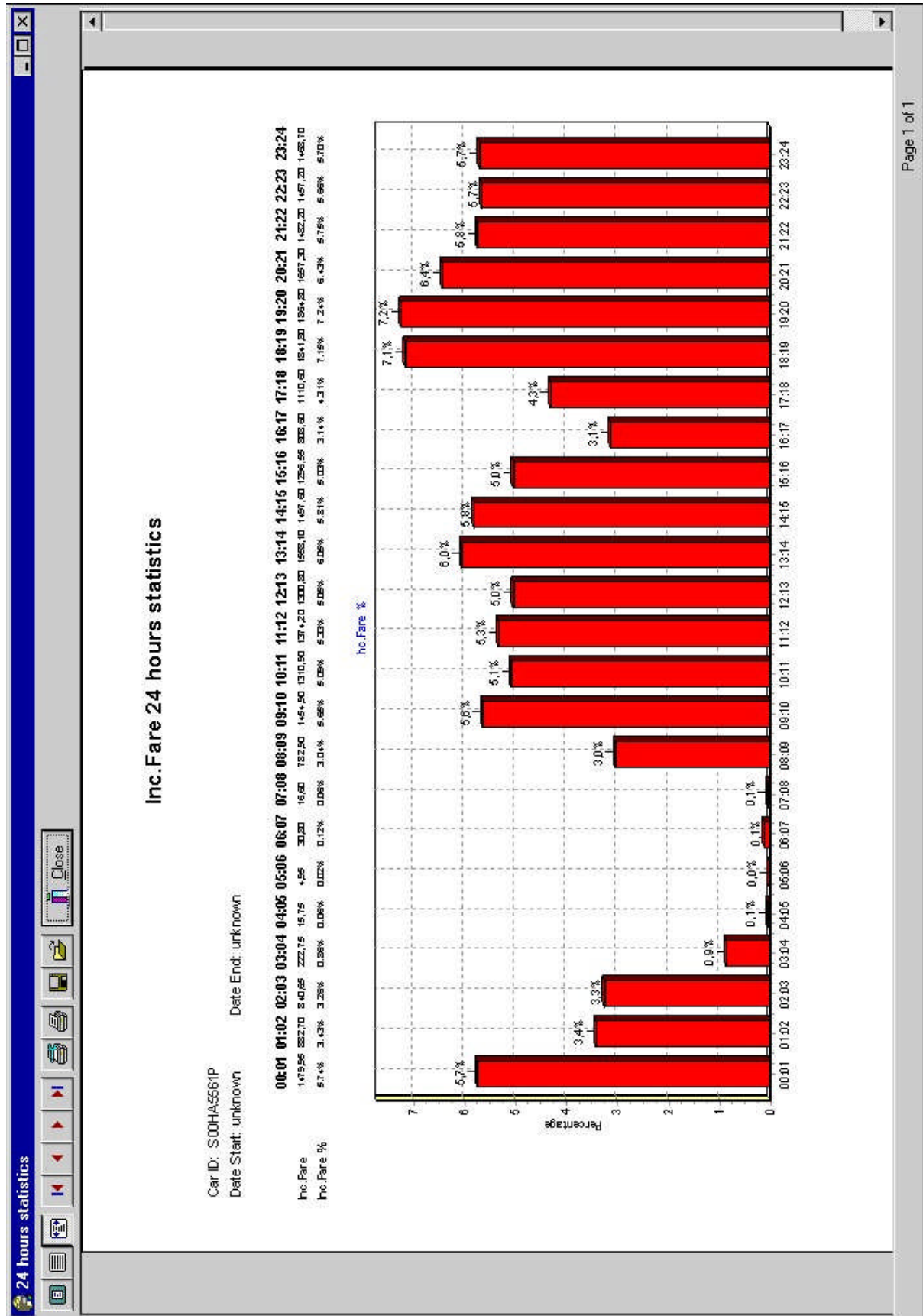


Trips data can be used to view every single transaction made by the meter, building detailed analysis that goes over the boundaries defined by the shifts. For example it's possible to analyze credit cards payments, black trips, work distribution in any time or in specific periods or hours of the day.

Digitax Property of Digitax Srl

24 Hour Trips Statistics Report

Analyzes how work is distributed along the day, viewing incomes, distances or elapsed times during night time or peak hour.



Total and Average Trips Data Report

Total and Average Trips Data									
Vehicle S00HA5561P									
Total Records Quantity: 3373									
Regular Trips: 3373 Black Trips: 0									
Total Values									
Fare Income:	25761,30	Extra Income:	0,00	Total Distance:	46978,4	Distance Hired:	31019,8	Distance Black:	0,0
Cash Trips Fare Income:	25761,30								
Comm. Cr.Card Trips Fare Income:	0,00								
Corpor. Cr.Card Trips Fare Income:	0,00								
Prep. Badge Trips Fare Income:	0,00								
Income Extra 1:	0,00	Income Extra 2:	0,00	Income Extra 3:	0,00	Income Extra 4:	0,00	Income Extra 8:	0,00
Income Extra 5:	0,00	Income Extra 6:	0,00	Income Extra 7:	0,00	Income Extra 11:	0,00	Income Extra 12:	0,00
Income Extra 9:	0,00	Income Extra 10:	0,00						
Average Values(per regular trip)									
Fare Income:	7,64	Extra Income:	0,00	Total Distance:	13,9	Distance Hired:	9,2	Distance Black:	0,0
Cash Trips Fare Income:	7,64								
Comm. Cr.Card Trips Fare Income:	0,00								
Corpor. Cr.Card Trips Fare Income:	0,00								
Prep. Badge Trips Fare Income:	0,00								
Income Extra 1:	0,00	Income Extra 2:	0,00	Income Extra 3:	0,00	Income Extra 4:	0,00	Income Extra 8:	0,00
Income Extra 5:	0,00	Income Extra 6:	0,00	Income Extra 7:	0,00	Income Extra 11:	0,00	Income Extra 12:	0,00
Income Extra 9:	0,00	Income Extra 10:	0,00						

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Advertising Logo Settings

Dynamic advertising management can be possible only if a real time connection exists between the PC and the meter. Using memory keys it is possible to use advertising logos on the printer Mod. Due, but they have to be statically stored into the printers and programmed using the ticket header and footer.

Edit Logo

☒ Logo Enabled


Logo Name:

Start Date:

End Date:

Cars Required: Car Group:

This Advertising has been printed times.



☐ Print on Header
☐ Print On Top
☒ Print On Bottom

ProgDate 1

☒ Never
Day:
☒ Every Day
☐ Every Day, from to
☐ Every Week, from to
Hour:
from to

ProgDate 2


☒ Never
Day:
☐ Every Day
☐ Every Day, from to
☐ Every Week, from to
Hour:
from to

ProgDate 3

☒ Never
Day:
☐ Every Day
☐ Every Day, from to
☐ Every Week, from to
Hour:
from to

ProgDate 4

☒ Never
Day:
☐ Every Day
☐ Every Day, from to
☐ Every Week, from to
Hour:
from to



~ Taxi Data Exchange System ~

Digitax Property of Digitax Srl

18

Advertising delivered to Car 0001

Advertisings delivered to Car 0001

Thank you for
travelling with us

Call a Cab 552111

Comfort

Date Start: 02/02/1999
DateEnd: 01/03/1999

Activ 1: Every day, from time 00:00 to time 23:59.
Activ 2: Never.

Activ 3: Never.

Activ 4: Never.

Printed on: Header

Peace Hotel

Date Start: 02/02/1999
DateEnd: 01/03/1999

Activ 1: Every day, from time 00:00 to time 07:59.
Activ 2: Never.

Activ 3: Never.

Activ 4: Never.

Printed on: Bottom

Hilton Hotel

Date Start: 02/02/1999
DateEnd: 01/03/1999

Activ 1: Every day, from time 12:00 to time 15:59.
Activ 2: Never.

Activ 3: Never.

Activ 4: Never.

Printed on: Bottom

Singapore Airlines

Date Start: 02/02/1999
DateEnd: 01/03/1999

Activ 1: Every day, from time 20:01 to time 23:59.
Activ 2: Never.

Activ 3: Never.

Activ 4: Never.

Printed on: Bottom

Pizza Hut

Date Start: 02/02/1999
DateEnd: 01/03/1999

Activ 1: Every day, from time 16:00 to time 20:00.
Activ 2: Never.

Activ 3: Never.

Activ 4: Never.

Printed on: Bottom

Thai

Date Start: 02/02/1999
DateEnd: 01/03/1999

Activ 1: Every day, from time 08:00 to time 11:59.
Activ 2: Never.

Activ 3: Never.

Activ 4: Never.

Printed on: Bottom

Cashier program Screen Shots

The Cashier program has 3 different levels of use: Advanced, Simplified and Automatic.

Usual operations are carried on in Simplified mode, where only the last downloaded shifts are visible and all Payroll operations can be quickly done using only the keyboard.

Advanced mode is used when it's necessary to recall old downloaded shifts, with full filtering options to search them and more options for user control.

In Automatic mode (typically for night operations) there is no need of a cashier: the driver holds the key into the reader and a special payroll ticket is printed in which he can manually write the "not on meter" and the programmable incomes.

Simplified Cashier Interface

Car ID	Driver ID	Shift N.	Start	End	Time Start	Time End	PayRoll N.	Qty Trips	Units	Meter Fare	Meter Total
CAR0007777	7	29	09/24/2000	09/25/2000	19:29	19:50		2	9	11,00	16,00

Fare Money	11,00	Extra Money	5,00	Not On Meter	0,00 (+)	GROSS BOOK	16,00
Gross Book	16,00	Airport	0,00 (-)	Petrol	0,00 (-)	Others	0,00 (-)
						NET BOOK	16,00

Buttons: F9 - Cancel, F11 - Save, F12 - Save & Print

Book Report

PayRoll N. 8

Print Date: 25/09/00

Print Time: 16.18.12

Book Report

Driver ID: 7

Driver Name: unknown

Car ID: CAR0007777

Car Alias: unknown

Shift N.	25
Start	09/24/2000 08:03
End	09/24/2000 19:30
Qty Trips	16

Dist. Total	127
Dist. Hired	97
Dist. For Hire	30
Dist. Black	0

Meter Fare	170,90
Meter Extra	10,00
Inc. Not On Mtr	10,00
Gross Book:	190,90

Gross Book:	190,90
Airport	3,00
Petrol	10,00
Others	0,00
Net Book:	177,90

Thermal Printer Payroll Report

This payroll report is printed using the Digitax Thermal printer Mod. Due connected to the Cashier PC. It shows almost the same information of the payroll printed with a Windows printer (that has an A4 page size), but it's printed faster and has a very compact size.

A similar report is printed also in Automatic Cash mode, with the difference that the not on meter, manually entered, fields are not typed by the cashier to be printed on the report but directly written by the driver on the printout.

كارس للاجرة cars taxi	
09/25/2000 15:24	
PayRoll N.	8
Driver ID	7
Car ID	CAR0007777
Shift N.	25
Start	09/24/2000 08:03
End	09/24/2000 19:30
Qty Trips	16
Dist.Total	127
Dist.Hired	97
Dist.ForHire	30
Meter Fare	170,90
+ Meter Extra	10,00
+ Inc.NotOnMtr	10,00
- Airport	3,00
- Petrol	10,00
- Others	0,00
= NET BOOK	177,90

← Payroll N. identifies the cashier transaction

← Driver ID and Car ID for this shift

← Shift N., Start and End date time identifies the shift

← Number of trips made during the shift

← Distances covered totally and in hired/for hire status

← Fare Amount calculated by the meter

← Extra Amount calculated by the meter

← Additional Amount that has not been calculated by the meter

← Three full programmable items that can't be on the meter

← The total, net amount that the driver should have cashed.

Automatic Cashier Interface



Automatically printed Payroll:

كارس للاجرة cars taxi

09/25/2000 15:24
PayRoll N. 8

Driver ID 7
Car ID CAR0007777

Shift N. 25
Start 09/24/2000 08:03
End 09/24/2000 19:30
Qty Trips 16
Dist.Total 127
Dist.Hired 97
Dist.ForHire 30

Meter Fare 170,90
+ Meter Extra 10,00
+ Inc.NotOnMtr
- Airport
- Petrol
- Others
= Net Book