

System PM 100

Manual

Windows Tarifmanager

DESIGNA

Introduction

Now you can easy modify existing tariffs using the Windows Tariffmanager. You need Microsoft Windows 95/98/NT/2000©. The data central must be connected to the Windows PC via Ethernet. For testing the modified tariffs you need Microsoft Excel 97 or 2000 for graphical display.

You can download the Tariffmanager from our DESIGNA-Homepage <http://www.designa.de>.

The tariffmanager

After you have started the program you can load an an existing Tariffmodule.

If you want to modify an a tariffmodul zu ändern, which is stored on the harddisk of the data central, choose „load“ from the menu „File“.

For modifying a tariffmodule, which is stored on the harddisk of the Windows-PC, choose „open“ from the menu „File“.

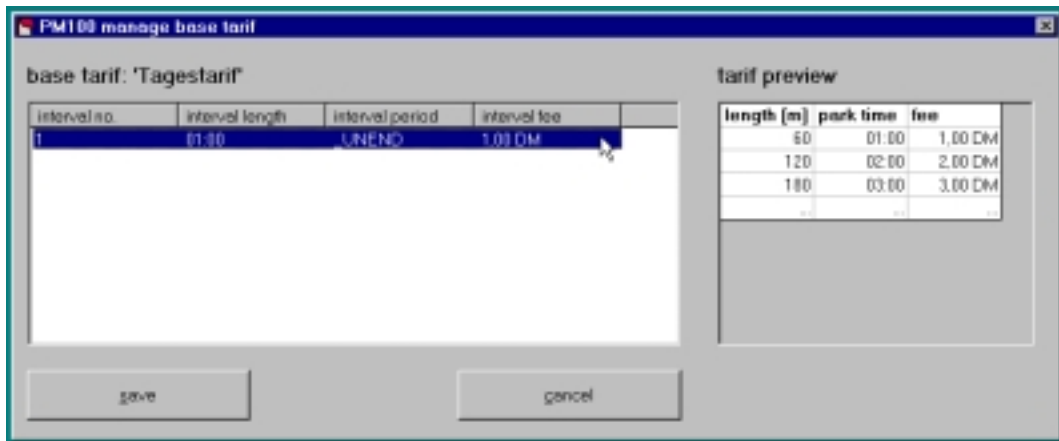
After loading a tariffmodule, you can select a tariff by doubleclicking the left mouse button. The selected tariff will opens.



Different tariffs of a tariffmodule

Tariffs are displayed with the shortage GT. If there is an a maximum fee, it will be shown with the shortage ZP.

Here you see a staright tariff:



Linearer Tarif

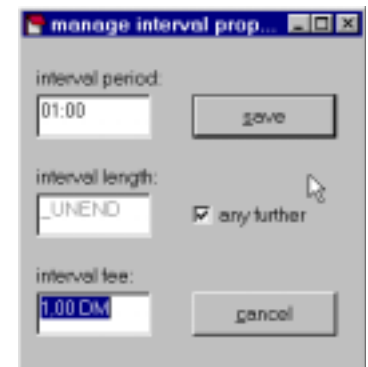
This tariff has an interval length of 60 minutes. The interval period is endless, so the parking fee increases for every hour for 1,00 DM.

In the right window you see a table with the calculated fee.

For changing the tariff, (fee or interval period), doubleclick the selected tariff. An new window appears for making changes to this tariff.

You can make changes to the interval period (stepp width) in the first field. In this example every hour costs 1,00 DM. For making the interval period endless, please mark the field „any further“.

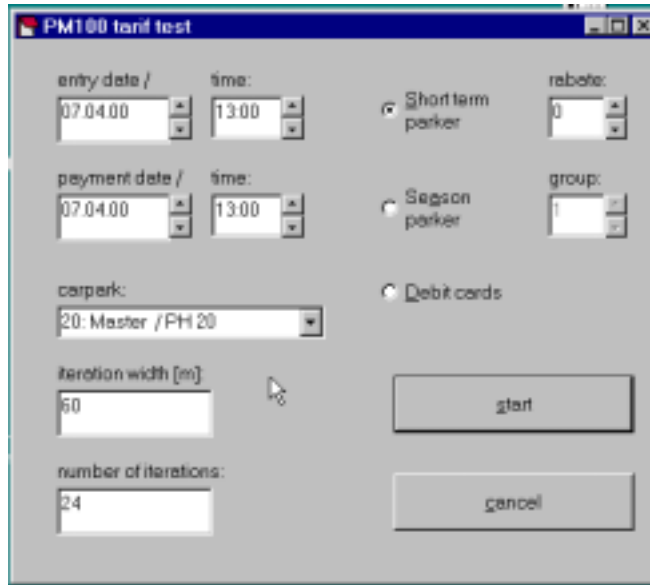
When you want to insert different tariff-steps, click the right mouse button on the existing tariff and choose "insert".



After making changes, save these using the „save“-button. When you want to download the tariff-module to the data central, please choose „save“ from the „file“-menu

For testing the modified tariff, you must load the „Tarif Test Module“ from the „File“-menu. For displaying the tariff in graphical way, Microsoft Excel 97 or 2000 ® must be installed on the PC.

Attention: The parking fee is calculated by the data central, so have to save the modified tariff before starting the test.



Tariff Test Module

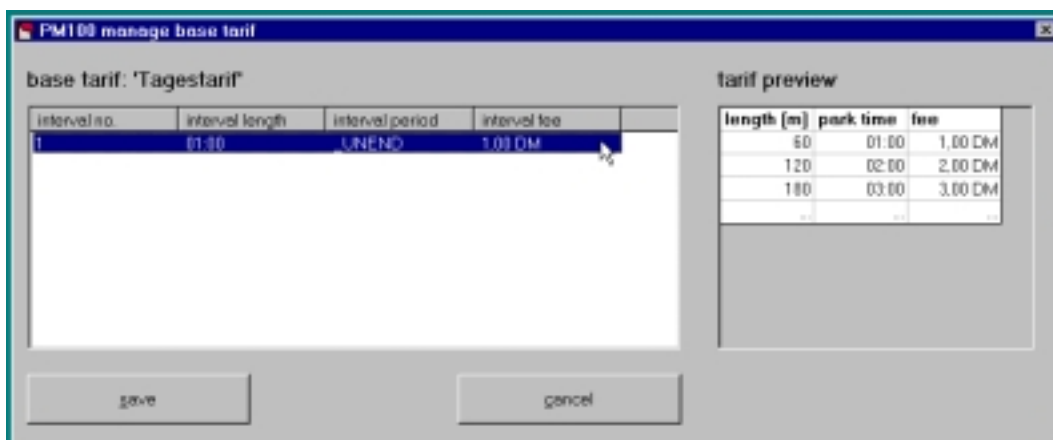
Here you can make settings for calculating a parking fee. Please enter the entry date with time. You can specify the payment date and time as the beginning point of the graphical display independent from the entry time. Specify the car park in a networked system with different tariffs. Enter the iteration width in minutes for the graphical display. Specify the number of iteration. The iteration width multiplied with the number of iterations comes to a displayed parking duration. When there are any special tariffs for short term parkers (discounts), different tariffs for season parker groups oder users of value cards, you can decide , which tariff you want to test.

3. Examples

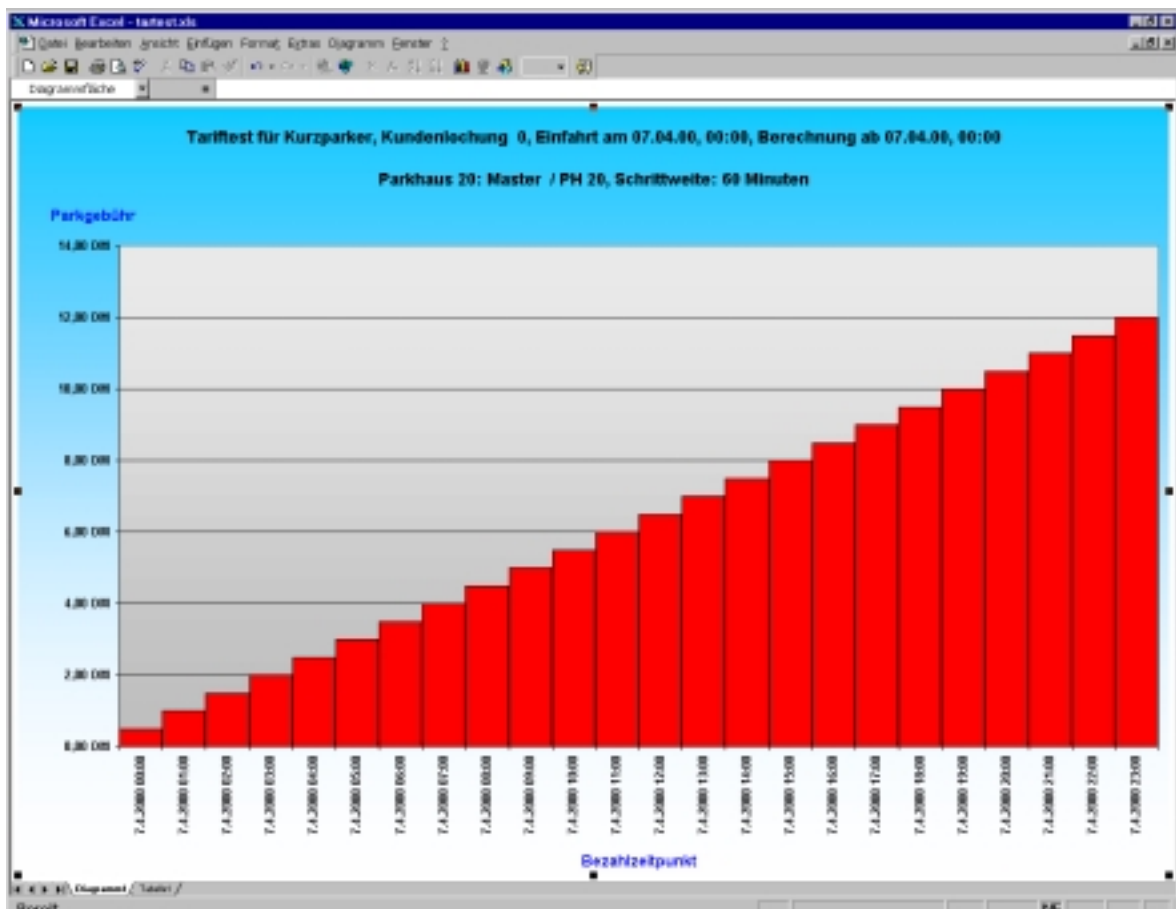
Here are shown sme examples for straight, degressive and progressive tariff structure:

3.1. straight tariff structure

Graphical view of the straight tariff for short term parkerrs without discounts using Microsoft Excel.



Lineare Tarifgestaltung



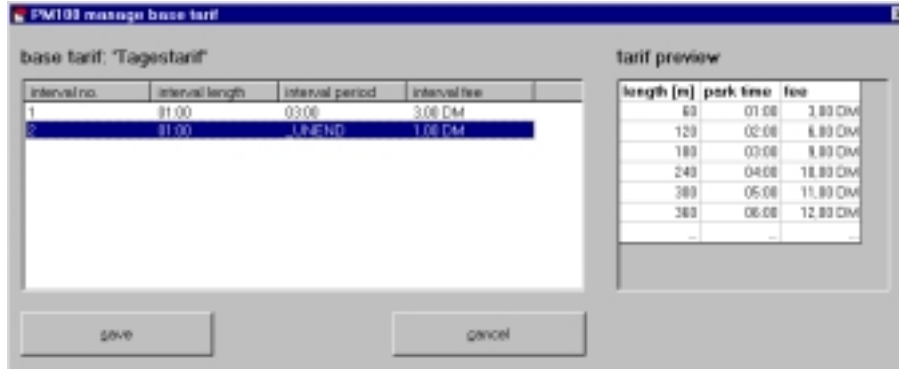
Graphical view of a straight tariff

For viewing the table to belongs to this graph, click the work sheet "Table1".

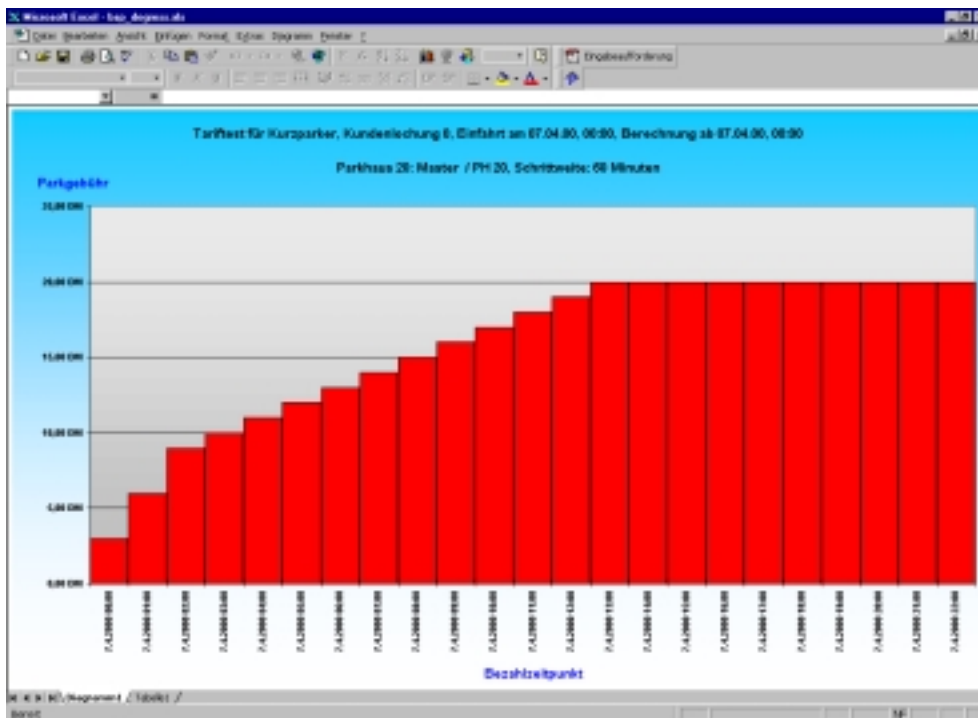
07.04.00 00:00	0,50 DM	07.04.00 13:00	7,00 DM
07.04.00 01:00	1,00 DM	07.04.00 14:00	7,50 DM
07.04.00 02:00	1,50 DM	07.04.00 15:00	8,00 DM
07.04.00 03:00	2,00 DM	07.04.00 16:00	8,50 DM
07.04.00 04:00	2,50 DM	07.04.00 17:00	9,00 DM
07.04.00 05:00	3,00 DM	07.04.00 18:00	9,50 DM
07.04.00 06:00	3,50 DM	07.04.00 19:00	10,00 DM
07.04.00 07:00	4,00 DM	07.04.00 20:00	10,50 DM
07.04.00 08:00	4,50 DM	07.04.00 21:00	11,00 DM
07.04.00 09:00	5,00 DM	07.04.00 22:00	11,50 DM
07.04.00 10:00	5,50 DM	07.04.00 23:00	12,00 DM
07.04.00 11:00	6,00 DM	08.04.00 00:00	12,50 DM
07.04.00 12:00	6,50 DM		

3.2. Example : **degressive tariff structure**

You pay 3,00 DM per hour with a duration of three hours, then you pay 1,00 DM per hour. The maximum fee is set to 20,00 DM.



Graphical view for this tariff:



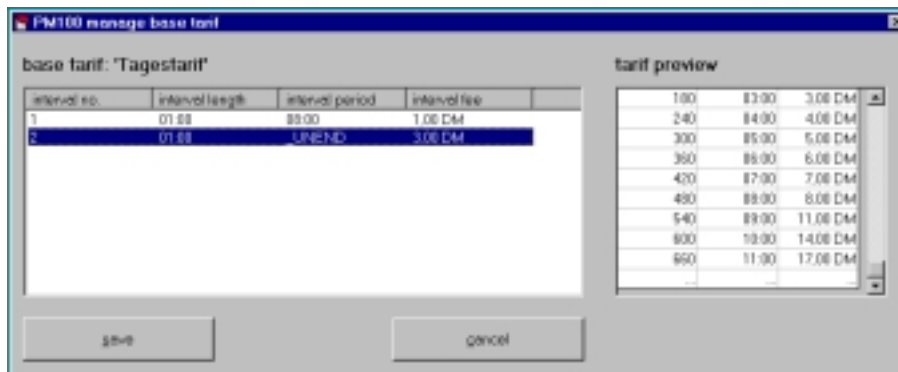
Graphical view for a degressive tariff

The table is shown in the worksheet 1:

07.04.00 00:00	3,00 DM		07.04.00 13:00	20,00 DM
07.04.00 01:00	6,00 DM		07.04.00 14:00	20,00 DM
07.04.00 02:00	9,00 DM		07.04.00 15:00	20,00 DM
07.04.00 03:00	10,00 DM		07.04.00 16:00	20,00 DM
07.04.00 04:00	11,00 DM		07.04.00 17:00	20,00 DM
07.04.00 05:00	12,00 DM		07.04.00 18:00	20,00 DM
07.04.00 06:00	13,00 DM		07.04.00 19:00	20,00 DM
07.04.00 07:00	14,00 DM		07.04.00 20:00	20,00 DM
07.04.00 08:00	15,00 DM		07.04.00 21:00	20,00 DM
07.04.00 09:00	16,00 DM		07.04.00 22:00	20,00 DM
07.04.00 10:00	17,00 DM		07.04.00 23:00	20,00 DM
07.04.00 11:00	18,00 DM		08.04.00 00:00	20,00 DM
07.04.00 12:00	19,00 DM			

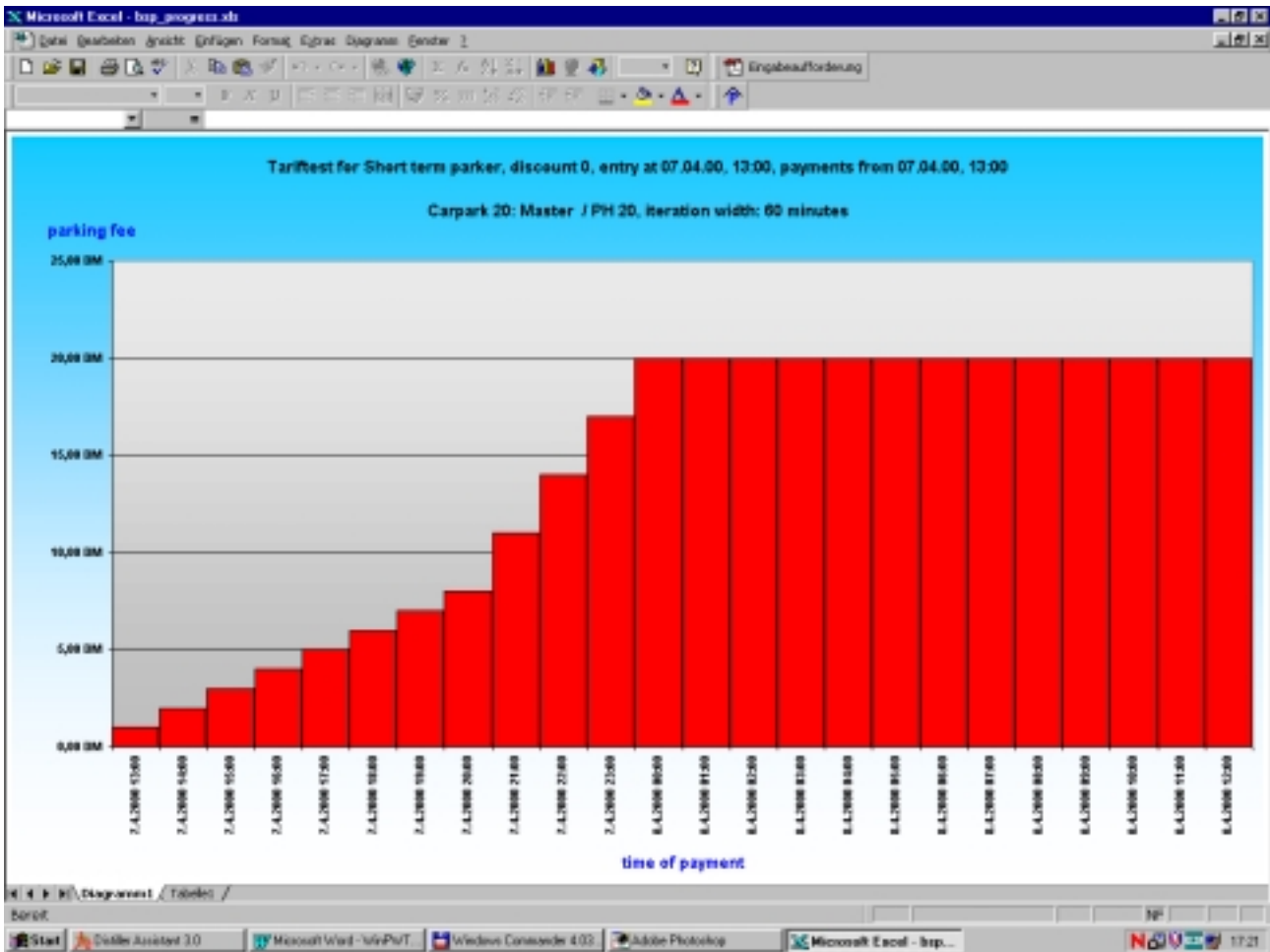
Example: progressive tariff structure

You pay 1,00 per hour for the first eight hours, after that every hours cost 3,00 DM. The mximum fee is set to 20,00 DM.



Progressive tariff structure

Graphical view for this tariff:



Graphical view for a progressive tariff structure

The table is shown in the worksheet 1:

07.04.00 13:00	1,00 DM		08.04.00 02:00	20,00 DM
07.04.00 14:00	2,00 DM		08.04.00 03:00	20,00 DM
07.04.00 15:00	3,00 DM		08.04.00 04:00	20,00 DM
07.04.00 16:00	4,00 DM		08.04.00 05:00	20,00 DM
07.04.00 17:00	5,00 DM		08.04.00 06:00	20,00 DM
07.04.00 18:00	6,00 DM		08.04.00 07:00	20,00 DM
07.04.00 19:00	7,00 DM		08.04.00 08:00	20,00 DM
07.04.00 20:00	8,00 DM		08.04.00 09:00	20,00 DM
07.04.00 21:00	11,00 DM		08.04.00 10:00	20,00 DM
07.04.00 22:00	14,00 DM		08.04.00 11:00	20,00 DM
07.04.00 23:00	17,00 DM		08.04.00 12:00	20,00 DM
07.04.00 00:00	20,00 DM		08.04.00 13:00	20,00 DM
08.04.00 01:00	20,00 DM			