

# **System PM 100**

## **Season Parker Configuration**

Version 1.10

**DESIGNA**

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### Overview of versions

Type of modification	Version	Page:	Name:	Date:
Compilation of this document	1.0	all	Kielmann /Bäker	15.08.97
Column "EvGZ" changed	1.1	12	Ehrich	12.11.97
Input masks updated		7-16	Kielmann	02.03.98
All descriptions changed sp_grp, sp_price, sp_pre_2; BFR->DZ change; additions made to points coding, deleting, accounting, customer-related payment, renewal at data control center, EM100 and credit cards/ec		ale	Kielmann	03.03.98

### 1 General

Season parkers are customers who use the car park for a longer period of time and pay the resulting rate as a rule as a lump sum in advance. They are neither held to a certain number of parking procedures, nor to a stipulated parking period. Within a previously stipulated validity and a stipulated time window, the season parker can enter and leave the car park without having to pay for every individual parking procedure.

Season parker cards always have a customer reference, i.e. there is a customer to every season parker card. It is quite possible for one customer to own several season parker cards.

The season parker cards can be retrieved at the exit point if necessary (e.g. when the validity expires, or when the ticket is on the blacklist). Season parker cards can be renewed both at the data control center and at the cashpoints (manual and automatic cashpoints).

Up to 4095 season parker cards can be coded per car park, as this is the largest serial number which can be coded on the card.

### 2 Excess payment and renewal

Excess payment has to be made for a season parker card when the validity has expired and the customer has not renewed the season parker card. In this case, the rate is calculated from the end of validity to the current paying procedure. The season parker card is then retrieved or deleted at the exit point.

Excess payment also has to be made for a season parker card when the car park is used outside the season parker group times.

The rate used in both cases depends on the configuration of the season parker group. If no special season parker rate has been agreed for excess payment, the short-term parking rate is used.

The season parker cards can be renewed in two different ways. On the one hand, it is possible to renew the season parker cards at the data control center; for this purpose the season parker card itself is not required. On the other hand, the customers can also renew their season parker cards themselves at the cashpoint.

### 3 The season parker card

A season parker card itself shows only the season parker card number and the season parker group. The customer number and all related data such as customer name and address are defined in the data control center on the basis of the season parker card number.

An exception to this rule is the "Easy-Move" season parker card. This ticket states the car park number and season parker card number in unchangeable form. All other data are noted in the data control center.

Further information on the season parker card includes, e.g.

Terminal number	<p>Number of the terminal which issued the season parker card or changed the code. Terminal number = 0 shows that the season parker card has been deleted. The last coded terminal number counts as in/out code, with an uneven code meaning that the season parker card is still in the car park. An even code means consequently that the congress ticket is outside the car park. Range of terminal numbers: 0 - 63. This information is not on the Easy-Move card!</p>								
Car park code	<p>Number of the car park to which the season parker card belongs. Every car park has its own car park number so that season parker cards from other DEISNA car parks can cannot park in this car park. Range of car park numbers: 1 - 63. This information is not on the Easy-Move card!</p>								
Ticket type	<p>Field for identifying the ticket type.</p> <table><tr><td>Congress ticket</td><td>= 3</td></tr><tr><td>Debit card</td><td>= 4</td></tr><tr><td>Season parker card</td><td>= 5</td></tr><tr><td>Function ticket</td><td>= 6</td></tr></table> <p>This information is not on the Easy-Move card!</p>	Congress ticket	= 3	Debit card	= 4	Season parker card	= 5	Function ticket	= 6
Congress ticket	= 3								
Debit card	= 4								
Season parker card	= 5								
Function ticket	= 6								
Entrance/exit time	<p>Depending on use, the last entrance or exit time is coded here. For newly coded tickets, the start of validity is coded. If validity is relative to the first use, then 01.01.80 is coded. The time basis, i.e. the basis for calculating the entrance or exit time on the season parker card, is 15 minutes. This information is not on the Easy-Move card!</p>								
Expiry time	<p>This time stipulates at which point in time the validity of the season parker card expires. It can be stipulated precisely to a specific day. The maximum validity period amounts to 1999 days (approx. 5 years) This information is not on the Easy-Move card!</p>								
Serial no..	<p>Four-digit ticket-specific serial number, which, together with the ticket type and the car park code results in an eight-digit serial number for car park management. This serial number indicates the customer affiliation . Range for serial numbers 1 - 4095. This information is on the Easy-Move card!</p>								
Group code	<p>Season parker group number of the season parker card. This stipulates the characteristic of the season parker. Up to 15 season parker groups can be defined per car park. Range for group codes: 1 - 15. This information is not on the Easy-Move card!</p>								

## 4 The season parker group

The season parkers of a car park have different characteristics, which makes it necessary to define different types of season parker cards. Different season parker groups can be defined for this purpose. They make it possible to code season parker cards for example which are only allowed to use the car park during the day, and also season parker cards which are only allowed

## Season parker configuration

---

to use the car park at night. The maximum number of season parker groups amounts to 15 groups per car park. This means that up to 15 different season parker groups can be defined for each car park.

## 5 Configuration examples

### 5.1 Example for normal season parking group (with reservation)

```

                                Manage season parker groups
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
    Season parker group no. [ 1]

                                Name [normal seasonparkers]
    Allowed on entry [y]Important
    Allowed on exit [y]Important

    Customer related counting [n]          Block season like hourly [n]Important
    Entry after expiry [n]                Employee card [n]
    Wrong I/O -> exit allowed [n]         Card will be retrieved at exit [n]
    I/O check ON [y]Important             Set SP-2 output [n]
    Credited SP group [n]                 Set SP-3 output [n]
    Special rate for SP add. payments [n]  Set SP-4 output [n]

s=search  n=next  p=previous  c=change  a=add  d=delete  t=times  e=end

                                Which option do you require?

```

```

                                Manage season group time
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10]         Car park [Stadthalle]
    Season parker group no. [ 1]         Name [normal seasonparker  ]

    Day      From      To      From      To      Ebgt
    [Mon]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Tue]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Wed]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Thu]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Fri]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Sat]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Sun]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]
    [Spe]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00] [n]

                                i=init  e=end

                                Which option do you require?

```

#### Explanation:

The season parkers in this group are counted as season parkers, i.e. they are entitled to drive into the car park during their group time from 0.00 to 24.00 hrs, even when the car park is full for short-term parkers.

### 5.2 Example credited season parker group

```
Manage season parker groups                               Date [ 1. 3.99]
DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1]
Name [credited seasonparkers]
Allowed on entry [y]Important
Allowed on exit [y]Important
Customer related counting [n] Block season like hourly [n]Important
Entry after expiry [n] Employee card [n]
Wrong I/O -> exit allowed [n] Card will be retrieved at exit [n]
I/O check ON [y]Important Set SP-2 output [n]
Credited SP group [y]Important Set SP-3 output [n]
Special rate for SP add. payments [n] Set SP-4 output [n]
s=search n=next p=previous c=change a=add d=delete t=times e=end
Which option do you require?
```

```
Manage season group time                               Date [ 1. 3.99]
DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle ]
Season parker group no. [ 1] Name [normal seasonparker ]
Day From To From To Ebg
[Mon] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Tue] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Wed] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Thu] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Fri] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Sat] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Sun] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
[Spe] [ 0.00] [ 0.00] [ 7.00] [18.00] [y]
Important
i=init e=end
Which option do you require?
```

#### Explanation

The season parkers in this group can drive into and out of the car park at any time. Parking is free of charge in the period from 07.00 to 18.00 hrs. Outside of this group time, the due short-term parking rate is memorised and the season parker can be invoiced with this amount subsequently via the "invoicing of credited season parkers".



## 5.3 Example of customer-related counting

```

                                Manage season parker groups
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
    Season parker group no. [ 1]

                                Name [seasonparker (related counting)]
    Allowed on entry [y]Important
    Allowed on exit [y]Important

    Customer related counting [y]Important  Block season like hourly [n]
    Entry after expiry [n]                    Employee card [n]
    Wrong I/O -> exit allowed [n]    Card will be retrieved at exit [n]
    I/O check ON [y]Important          Set SP-2 output [n]
    Credited SP group [n]              Set SP-3 output [n]
    Special rate for SP add. payments [n]  Set SP-4 output [n]

s=search  n=next  p=previous  c=change  a=add  d=delete  t=times  e=end

                                Which option do you require?

```

```

                                Manage season group time
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10]    Car park [Stadthalle]
    Season parker group no. [ 1]      Name [seasonparker (related counting)]

    Day      From      To      From      To      Ebgt
    [Mon]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Tue]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Wed]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Thu]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Fri]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Sat]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Sun]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
    [Spe]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]

                                i=init  e=end

                                Which option do you require?

```

## Explanation:

The season parkers in this group are "prepared" for customer-related counting. Whether the season parkers are actually subjected to customer-related counting is stipulated under the menu point "managing customers" with c=count. This defines the maximum number of season parker cards per customer which can be used for driving into the car park.

5.4 Example season parker without reservation

```
Manage season parker groups
Date [ 1. 3.99]
DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1]
Name [seasonparker (no reservation)]
Allowed on entry [y]Important
Allowed on exit [y]Important
Customer related counting [n] Block season like hourly [y]Important
Entry after expiry [n] Employee card [n]
Wrong I/O -> exit allowed [n] Card will be retrieved at exit [n]
I/O check ON [y] Set SP-2 output [n]
Credited SP group [n] Set SP-3 output [n]
Special rate for SP add. payments [n] Set SP-4 output [n]
s=search n=next p=previous c=change a=add d=delete t=times e=end
Which option do you require?
```

```
Manage season group time
Date [ 1. 3.99]
DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1] Name [seasonparker (no reservation)]
Day From To From To Ebgt
[Mon] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Tue] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Wed] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Thu] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Fri] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Sat] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Sun] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Spe] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
i=init e=end
Which option do you require?
```

Explanation:

The season parkers in this group are counted in the car park occupation statistics as season parkers without reservation (short-term parkers) i.e. when the car park is occupied with short-term parkers and/or season parkers without reservation, all subsequent season parkers in this group are rejected at the entrance. The entrance display shows "Car park is full".

### 5.5 Example credit and ec cards

```

Manage season parker groups
Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1]

Name [CC/ec-shortterm parkers]
Allowed on entry [y]Important
Allowed on exit [y]Important

Customer related counting [n] Block season like hourly [y]Important
Entry after expiry [n] Employee card [n]
Wrong I/O -> exit allowed [n] Card will be retrieved at exit [n]
I/O check ON [y]Important Set SP-2 output [n]
Credited SP group [n]Important Set SP-3 output [n]
Special rate for SP add. payments [n] Set SP-4 output [n]

s=search n=next p=previous c=change a=add d=delete t=times e=end
Which option do you require?
    
```

```

Manage season group time
Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1] Name [CC/ec-shortterm parkers]

Day From To From To Ebgt
[Mon] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Tue] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Wed] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Thu] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Fri] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Sat] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Sun] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
[Spe] [ 0.00] [ 0.00] [ 0.00] [ 0.00] [y]
Important Important Important
i=init e=end

Which option do you require?
    
```

**Explanation:**

Group 15 is used for processing credit cards/ec cards so that credit or ec cards can be used in the car park. This group may not be credited. The I/O control must be switched on to activate the rate calculation feature. If credit card/ec parkers are to park free of charge during business hours, then group times can be entered.

5.6 Example renewal at the automatic cashpoint

```
Manage season parker groups
Date [ 1. 3.99]
DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1]
Name [season parkers (top up at APS)]
Allowed on entry [y]Important
Allowed on exit [y]Important
Customer related counting [n] Block season like hourly [n]
Entry after expiry [y]Important Employee card [n]
Wrong I/O -> exit allowed [n] Card will be retrieved at exit [n]
I/O check ON [y]Important Set SP-2 output [n]
Credited SP group [n] Set SP-3 output [n]
Special rate for SP add. payments [n] Set SP-4 output [n]
s=search n=next p=previous c=change a=add d=delete t=times e=end
Which option do you require?
```

```
Manage season group time
Date [ 1. 3.99]
DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1] Name [season parkers (top up at APS)]
Day From To From To Ebgt
[Mon] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Tue] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Wed] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Thu] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Fri] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Sat] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Sun] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
[Spe] [ 0.00] [ 0.00] [ 0.00] [24.00] [n]
i=init e=end
Which option do you require?
```

Explanation:

Season parkers who are allowed to renew their season parker card at the automatic cashpoint, should be allowed to drive into the car park once for belated renewal of their season parker card, even after the validity has expired.

### 5.7 Example employees and car park technicians

```

                                Manage season parker groups
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
      Season parker group no. [ 1]

                                Name [carpark technicians]
      Allowed on entry [y]Important
      Allowed on exit [y]Important

      Customer related counting [n]          Block season like hourly [n]
      Entry after expiry [n]                Employee card [n]
      Wrong I/O -> exit allowed [n]        Card will be retrieved at exit [n]
      I/O check ON [n]Important            Set SP-2 output [n]
      Credited SP group [n]                 Set SP-3 output [n]
      Special rate for SP add. payments [n] Set SP-4 output [n]

s=search  n=next  p=previous  c=change  a=add  d=delete  t=times  e=end
                                Which option do you require?
  
```

```

                                Manage season group time
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10]          Car park [Stadthalle]
      Season parker group no. [ 1]          Name [carpark technicians]

      Day      From      To      From      To      Ebgt
      [Mon]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Tue]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Wed]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Thu]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Fri]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Sat]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Sun]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
      [Spe]    [ 0.00]    [ 0.00]    [ 0.00]    [24.00]    [n]
                                Important Important

      i=init  e=end

                                Which option do you require?
  
```

**Explanation:**

Employees and car park technicians frequently drive in and out of the car park after each other several times. For this reason, the I/O control for this group should be deactivated. The group time should be set at 24 hours, because the activity in the car park cannot be clearly defined.

5.8 Example night parkers

```

                                Manage season parker groups
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1]

                                Name [parkers at night]
Allowed on entry [y]Important
Allowed on exit [y]Important

Customer related counting [n]                                Block season like hourly [n]
Entry after expiry [n]                                        Employee card [n]
Wrong I/O -> exit allowed [y]Important Card will be retrieved at exit [n]
I/O check ON [y]                                            Set SP-2 output [n]
Credited SP group [n]                                        Set SP-3 output [n]
Special rate for SP add. payments [n]                        Set SP-4 output [n]

s=search  n=next  p=previous  c=change  a=add  d=delete  t=times  e=end
                                Which option do you require?
    
```

```

                                Manage season group time
                                Date [ 1. 3.99]

DZ-no. [ 1] Car park number [ 10] Car park [Stadthalle]
Season parker group no. [ 1] Name [parkers at night]

Day      From      To      From      To      Ebgt
[Mon]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Tue]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Wed]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Thu]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Fri]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Sat]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Sun]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
[Spe]    [ 0.00]    [ 8.00] [18.00] [24.00] [n]
Important                                Important

                                i=init  e=end

                                Which option do you require?
    
```

Explanation:

Night parkers should not have to remain in the car park because of an incorrect I/O code, as it must be presumed that no staff are available during the night hours.

Both time windows must always be defined for night parkers, whereby the first time window defines the time after midnight and the second time window defines the time until midnight.

## 6 Description of the mask manage season parker groups

```

                                Manage season parker groups
                                Date [      ]
DZ-no. [    ] Car park number [    ] Car park [      ]
    Season parker group no. [    ]
                                Name [      ]
                                Allowed on entry [ ]
                                Allowed on exit [ ]
                                Customer related counting [ ]
                                Entry after expiry [ ]
                                Wrong I/O -> exit allowed [ ]
                                I/O check ON [ ]
                                Credited SP group [ ]
                                Special rate for SP add. payments [ ]
                                Block season like hourly [ ]
                                Employee card [ ]
                                Card will be retrieved at exit [ ]
                                Set SP-2 output [ ]
                                Set SP-3 output [ ]
                                Set SP-4 output [ ]
s=search  n=next  p=previous  c=change  a=add  d=delete  t=times  e=end
                                Which option do you require?

```

This mask defines the season parker groups with their different characteristics. It is accessed via the menu point **manage season parker groups** in the main menu **rates** or **season parkers**. In order to code the season parker cards, at least one season parker group must be defined. A change in the input fields or the addition of a new season parker group must be followed by a group download. This group download sends the characteristics of the season parker groups to all entrances, exits and cashpoints.

Changes in the characteristics do not become effective in the terminals until after a group download. As a rule, the system requests a group download before leaving this input mask. Alternatively, the group download can also be triggered via a menu point in the main menu rates.

### Important :

Season parker group 1 should be set up to be very generous. This means that "allowed on entry" should be set to "yes", the "allowed on exit" should be set to "yes" and the "in/out code" should be set to no. The group time for this group should go from 00:00 to 24:00 hrs. The reason for this is that the EASY-MOVE season parker cards are always checked with the data control center, because they can only memorise the car park code and serial number. The group number of these tickets is only recorded in the data control center. If the link between terminal (entrance, exit or cashpoint) is interrupted, the terminal cannot detect the season parker group number or thus the characteristics of this group. In this case, the terminal always presumes that this ticket belongs to group 1.

This kind of group can be used for car park technicians and employees.

### 6.1 Description of the input fields

DZ No.	States the number of the master, the stand-alone data control center (DZ no. = 1) or slave (DZ no. = 4 up to max. no. of slaves), to be valid for these season parker groups. Press the button a=add to access input field DZ no. (Input range 1 to 63 )
Car park number	Car park number for which these season parker groups are to be valid (input range 1 to 63)
Car park	Name of the car park allocated to the car park number. (No input possible here)
Season parker group N7o.	Season parker group number to which the following definition applies. Maximum 15 season parker groups are possible per car park. (Input range 1 to 15)
Name	A name can be allocated to every season parker group.
Allowed on entry	This stipulates whether this group is allowed entry to the car park at the moment or not. This input has priority over the group times. A change in this field during operating mode is only meaningful to prevent access to the car park for certain season parker groups. An input in this field does not affect normal handling (e.g. exit or crediting) of the season parker cards of this season parker group currently in the car park. (Input range y=yes or n=no)
Allowed on exit	This stipulates whether this group may leave the car park at the moment or not. A change in this field during operating mode is only meaningful to keep certain season parker groups in the car park. An input in this field does not affect normal handling (e.g. entrance) of the season parker cards of this season parker group currently in the car park. (Input range y=yes or n=no)
Customer-related counting	This stipulates whether customer-related counting is to be created for the season parker cards in this group or not. The final customer-related counting is stipulated individually for every customer in the menu "master data" under the menu point "manage customers". If a customer has 10 season parker cards, of which only 5 may park in the car park at the same time, then this function is used. The 6 <sup>th</sup> ticket will be rejected at the entrance. (Input range y=yes or n=no)
Entrance after expiry	This stipulates whether the season parker cards of this group may still drive into the car park after expiry of the validity coded on the ticket. If this is the case, then the time in days stipulated in field time 2 and time 3 in the menu point season parker prices for renewal at the automatic cashpoint comes into effect. Prerequisite for this is that the season parker prices have been created for the same data control center, same car park, same TCC number (respectively TCC number 64 for all TCCs in this car park) and for the same season parker group. If several season parker prices are entered under these conditions for the same season parker group, then the first applicable value is used. (Input range y=yes or n=no)



- wrong I/O exit allowed      This stipulates whether season parker cards with a wrong in/out code are allowed to drive out of the exit. The season parker card can then be used once more at the exit and is then entered in the database as deleted (last TCC = 0). The ticket is either retrieved or returned, depending on the configuration.  
(Input range y=yes or n=no)
- I/O check on      This stipulates whether this season parker group is excluded from the in/out check. An input in this field does not impair the in/out check of the season parker cards of other season parker groups or other ticket types. Neither does an input in this field impair the in/out code on the terminals, and is in turn not impaired by these. The input should be set to y=yes for credited season parker groups, as otherwise the entrance and exit times cannot be booked correctly.  
When the I/O check is switched off, no rate calculation is made for group time violation  
(Input range y=yes or n=no)
- Credited SP group ON      This stipulates whether the applicable short-term parking or special rate for season parkers is to be in cash (n=no) or memorised in the system (y=yes). The resulting income is then accumulated for each season parker card and can be invoiced as required (menu point "invoicing season parkers"). (Input range y=yes or n=no)



**Season parker group 15 (credit cards and ec cards) may not be credited, as the incomes are not to be booked in the season parker list but are memorised practically as cash income in the credit card file.**

- Special rate for SP excess payment      This stipulates whether season parkers parking outside their group time are to pay the normal short-term parking rate (n=no, standard) or a special rate y=yes).  
This special rate is defined in the short-term parking rate as rate number 240 + season parker group number. This means that an individual rate can be stipulated for every season parker group.  
(Input range y=yes or n=no)
- Count parker as short-term parker      This stipulates whether the season parker cards of this season parker group are to be counted as season parkers without reservation . I.e. they are refused entry as soon as the car park is fully occupied with short-term parkers and season parkers without reservation. Season parkers which are not to be counted as short-term parkers can still drive into the car park when the car park is fully occupied with short-term parkers and season parkers without reservation.  
(Input range y=yes or n=no)
- Employee card      This stipulates whether this season parker group is an employee group. This means that short-term parkers can have the coding on their short-term parker ticket changed into season ticket at the manual cashpoint. The prerequisite for this is that the employee card function is entered accordingly in the initialisation of the manual cashpoint (see operating manual cashpoint HKC 100).  
(Input range y=yes or n=no)

## Season parker configuration

---

- Card will be retrieved on exit This stipulates whether the season parker cards of this season parker group are to be retrieved at the exit when their validity expires, or when they are on the blacklist, for example the hotel ticket (Input range y=yes or n=no)
- Set SP output 2 Should exit 11 at the entrance TCC be set when a season parker card of this season parker group wants to drive into the car park? This exit is then set together with the exit "barrier for season parkers " (exit 7) of the entrance TCC. If the season parkers of this group are counted as short-term parkers, then the exit "barrier up for short-term parkers" (exit 1 of the entrance TCC) is set. It is thus possible to open different exits, depending on the season parker code on the season parker card, i.e. barriers or roller gates where applicable. (Input range y=yes or n=no)
- Set SP output DP See "set SP output 2".  
SP output 3 = exit 12 at the TCC  
(Input range y=yes or n=no)
- Set SP output 4 See "set SP output 2".  
SP output 4 = exit 9 on the TCC  
(Input range y=yes or n=no)

### 6.2 Selection menu:

s=search	Searches for and displays a season parker group definition, stating the data control center, the car park number and season parker group number.
n=next	Displays the next season parker group definition.
p=previous	Displays the previous season parker group definition.
c=change	Changes the data displayed under the selected season parker group definition.
a=add	Creates a new season parker group definition.
d=delete	Deletes the selected season parker group definition.
t=times	Displays the times for this season parker group.
e=end	Quits the mask manage season parker groups. If changes have been made, a season parker group download to the terminals is carried out automatically on quitting the mask.

## 7 Description of the mask manage season group time (times)

```

Manage season group time
Date [ 1. 3.99]
DZ-no. [ ] Car park number [ ] Car park [ ]
Season parker group no. [ ] Name [ ]

Day      From      To      From      To      Ebgt
[Mon]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Tue]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Wed]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Thu]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Fri]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Sat]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Sun]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]
[Spe]    [ 0.00]    [ 0.00]    [ 0.00]    [ 0.00]    [n]

i=init e=end

Which option do you require?
    
```

This mask is accessed from the **manage season parker groups** mask (t=times ). It stipulates the free time intervals per week day in which the season parkers are allowed to use the car park. If the same times are to appear in every line, the input only has to be made for the first line. All following lines assume these data when a "99" is entered in the first "from" column..

### 7.1 Description of the input fields

- DZ no. States the number of the master, the stand-alone data control center (DZ no. = 1) or the slave (DZ no. = 4 to max. no. of slaves), to be valid for this season parker groups (No input possible)
- Car park number Car park number for which these season parker groups are to be valid. (No input possible)
- Car park Name of the car park allocated to the car park number. (No input possible)
- Season parker group no.. Season parker group number to which the following definitions apply (No input possible)
- Day Stipulates the day of the week (Monday to Sunday) for which the season parker times are to be valid. The last field (after Sunday) is for special days. The inputs in this field only apply to the "GAC" system (France).  
The input is not considered in the PM 100 system.
- from Start of the time interval of this season parker group. The season parker cards of this season parker group may only enter the car park from this point in time. Before this time, the season parker cards are refused access at the entrance with the message "group currently not valid". They are not refused access when a y=yes has been set for entry before group time (EVGZ). In this case however, a rate is charged for the time between entry to the car park and the start of the group time.

The from/to times may not overlap, i.e. the second from time may not be smaller than the first to-time. If only one time interval is required, this is to be entered in the second from/to time. The two first from/to times then remain at 00:00. (Input range 00:00 to 24:00)

to

End of the time interval of this season parker group. The season parker cards of this season parker group can no longer enter the car park free of charge after this time. If the season parker cards do not leave the car park until after this time, a rate is charged for the time between the end of the group time and exit from the car park. If this season parker group is credited, the calculated rate is booked in the season parker list. If no crediting applies, the calculated rate must be paid before leaving the car park at the automatic cashpoint, the manual cash point or (for exits with TBG III and credit card/ec processing) directly at the exit. (Input range 00:00 to 24:00)

### **Important:**

The from/to times may not overlap, i.e. the second from time may not be smaller than the first to time. If only one time interval is required, this is to be entered in the second from/to time. The two first from/to times then remain at 00:00.

No rate calculation starts in the time <from>/<to>, as it is presumed that the season parker has paid for this period in advance. For ec and credit card processing, 00:00 has to be entered in all columns!

EBGT

The field "entry before group time" stipulates whether the season parker cards of this season parker group may enter the car park on this week day before the stipulated group time, or not. If entry is allowed, the rate is calculated between the entry and the start of the season parker group time .  
(Input range y=yes to n=no)

## **7.2 Selection menu**

i=init

Changes the season parker group times and the EVGZ field. The RETURN key (ENTER) is pressed to confirm the input in a field. The cursor then jumps to the next field. To correct fields where the inputs have already been made, press the BACKSPACE key (key over RETURN or input key).

e=end

Quits the mask manage season parker groups (times). The mask manage season parker groups then appears.

## 8 Description of the mask season parker prices 1

```

                                SP-price (1)
                                Date [ 3. 3.99]

                                DZ-No. [  ]
                                Car park number [  ]
                                TCC. [  ]

                                Name [  ]
                                Car park name [  ]
                                Name [  ]

Tar.no.   Group  Number  Unit      Price      Outside  Pmt      Val.
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]
[  ]      [  ]   [  ]    [  ]      [  ]        [  ]     [  ]     [  ]

m=more   s=search  n=next   p=previous  c=change  a=add    d=delete  e=end

                                Which option do you require?
    
```

This mask is accessed via the menu point **season parker prices 1** in the menu **rates** or **season parker**. It stipulates the prices for the individual season parker cards. When stipulating the season parker prices, it is quite possible for several season parker prices to be used for the various season parker groups. When making the inputs, care must be taken to use the right number for the data control center and for the car park number. The rate numbers to be entered for the TCC number 64 of the corresponding car park are those which are available on coding the season parker card at the coding unit. All other TCC numbers indicate that these rate numbers can only be used for renewal at the corresponding terminal (entrance, exit and cashpoint). The input of season parker prices in this mask is prerequisite for coding the season parker cards. The mask **season parker prices 2** (see chapter 9) supplements this mask.

## 8.1 Description of the input fields

DZ no.	States the number of the master, the stand-alone data control center (DZ no. = 1) or slave (DZ no. = 4 to max. no. of slaves, to be valid for these season parker prices. Access to the input field DZ no. is by pressing the button a=add . The cursor jumps to the field rate number. Press the BACKSPACE key (key over RETURN or enter) for the cursor to jump from the field rate no.. to the field TCC number. Press the BACKSPACE key again for the cursor to jump to the field car park number and then to the field DZ no. (Input range 1 to 63)
Car park number	Car park number for which these season parker prices are to apply. Access to the car park number field is by pressing the button a=add . The cursor jumps to the field rate number. Press the BACKSPACE key (key over RETURN or ENTER) for the cursor to jump from the rate no. field. to the TCC number field. Press the BACKSPACE again for the cursor to jump to the car park number field. (Input range 1 to 63)
TCC.	Number of the terminal to be valid for these season parker prices. If the season parker prices are valid for all terminals (i.e. all cashpoints, the number 64 has to be entered here. Otherwise, the TCC number of the cashpoint has to be entered for which the season prices apply. These prices are then used when renewing the season parker cards at this cashpoint. Access to the input field car park number is by using the button a=add . The cursor jumps to the field rate number. Press the BACKSPACE key (key above RETURN or entry confirmation) for the cursor to jump from the rate no. field to the TCC number field. (Input range 1 to 64)
Rate no.	Consecutive rate numbers of the individual season parker prices. The rate numbers can only be awarded once per data control center , per car park and per TCC. The input of a new rate number also generates a new input under the same DZ no., the same car park number and the same TCC number in the mask season parker prices 2 (Input range 1 to 99)
Group	States the season parker groups 1 to 15. Season parker group 15 is reserved for credit card/ec processing . The price stored under this rate number then only applies to this car park and to this group. (Input range 1 to 15)
Number	Together with the units, the number stipulates the validity period of the season parker card. Once this validity period has expired, the season parker card expires and can be renewed if required. Number = 3 and units = month therefore means a validity period of 3 months. The maximum validity period can be 1999 days. (Input range 1 to 1999)
Units	For definition see number. The units are stated by means of a number code.. 0= days 1 = months 2= end of the month (i.e. number = 0 and units = 2 means that the season parker card is valid until the end of the current month.

## Season parker configuration

---

	Number = 1 and units = 2 means that the season parker card is valid until the end of the next month.) 3= years 4= end of the year (i.e. number = 0 and units = 4 means that the season parker card is valid until the end of the current year. Number = 1 and units = 4 means that the season parker card is valid until the end of the next year.) (Input range 0 to 4)
Price	The price for the season parker card is defined in the price field. This price is booked as income in the cashbook of the data control center during coding at the coding unit (depending on the ref. parameter). (Input range 00.00 to 99999.99 DM)
outside	This parameter defines the inside/outside code for the first use of the coded season parker card. n= The season parker card is coded for neither outside nor inside. I.e. an inside/outside check does not take place during first use. y= The season parker card is coded for outside. I.e. at first the season parker card can only be used at the entrance. If the ref. parameter is set to n=no, the in/out coding is always neglected. (Input range y=yes to n=no)
Pmt.	This defines whether the season parker card is paid at the point in time of coding , or later at an automatic cashpoint. Contingent on this is the cashbook entry immediately (coding unit) or at the point in time of payment (automatic cashpoint). n = payment at the automatic cashpoint y = payment immediately. (Input range y=yes to n=no)
Val	(Val for valid). States whether the validity period is absolute (from the point in time of coding the season parker card) or relative (from the point in time of first use at the entrance). y= absolute n= relative (Input range y=yes to n=no)



**Pmt.= n and VAL.= y are mutually exclusive, as a season parker card cannot be valid but not yet paid.**

## 8.2 Selection menu

m=more	Displays other rates, if available.
s=search	Searches for and displays other rates stating the data control center, the car park number and the TCC number.
n=next	Displays the rates of the next car park or next data headquarters.
p=previous	Displays the rates of the previous car park or previous data control center.



c=change	Changes the data defined under the selected car park or selected data control center.
a=add	Creates a new rate number in the selected car park or selected data control center.
d=delete	Deletes a rate number
e=end	Quits the mask season parker prices 1.

## 9 Description of mask season parker prices 2

```

                                SP-price (2)
                                Date [ 3. 3.99]

                                DZ-No. [   ]
                                Car park number [   ]
                                TCC. [   ]

                                Name [   ]
                                Car park name [   ]
                                Name [   ]

                                Tar.no.   Time 1   Time 2   Time 3   f.Belt   print
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]
                                [   ]     [   ]     [   ]     [   ]     [   ]     [   ]

m=more  s=search  n=next  p=previous  c=change  a=add  d=delete  e=end

                                Which option do you require?
    
```

Access to this mask is via the menu point **season parker prices 2** in the main menu **rates** or **season parkers**. It defines the further details of the prices for the individual season parker cards. When making inputs, care must be taken to use the correct number of the data control center and the correct car park number. The rate numbers to be input for the TCC number 64 of the corresponding car park are those which are available during coding of the season parker card at the coding unit. All other TCC numbers indicate that these rate numbers can only be used for renewal at the corresponding terminal (entrance, exit and cashpoint). The mask **season parker prices 1** (see chapter 8) supplements this mask.

## 9.1 Description of the input fields

DZ no.	States the number of the master, the stand-alone data control center (DZ no. = 1) or slave (DZ no. = 4 to max. no. of slaves, to be valid for these season parker prices. Access to the input field DZ no. is by pressing the button a=add . The cursor jumps to the field rate number. Press the BACKSPACE key (key over RETURN or ENTER) for the cursor to jump from the field rate no. to the field TCC number. Press the BACKSPACE key again for the cursor to jump to the field car park number and then to the field DZ no. (Input range 1 to 63)
Car park number	Car park number for which these season parker prices are to apply. Access to the car park number field is by pressing the button a=add . The cursor jumps to the field rate number. Press the BACKSPACE key (key over RETURN or ENTER) for the cursor to jump from the rate no. field. to the TCC number field. Press the BACKSPACE again for the cursor to jump to the car park number field. (Input range 1 to 63)
TCC.	Number of the terminal to be valid for these season parker prices. If the season parker prices are valid for all terminals (i.e. all cashpoints, the number 64 has to be entered here. Otherwise, the TCC number of the cashpoint has to be entered for which the season prices apply. These prices are then used when renewing the season parker cards at this cashpoint. Access to the input field car park number is by using the button a=add . The cursor jumps to the field rate number. Press the BACKSPACE key (key above RETURN or entry confirmation) for the cursor to jump from the rate no. field to the TCC number field. (Input range 1 to 64)
Rate no.	Consecutive rate numbers of the individual season parker prices. The rate numbers can only be awarded once per data control center, per car park and per TCC. The input of a new rate number also generates a new input under the same DZ no., the same car park number and the same TCC number in the mask season parker prices 1. (Input range 1 to 99)
Time 1	States how many days before expiry of validity the season parker card can be renewed at the automatic cashpoint. For renewal , the season parker card must have driven into the car park or still be in the car park. Renewal at the cashpoint is not possible before this time. the renewal period of time then includes the currently validity period. (Input range 0 to 999)
Time 2	States for how many days the season parker card can be used for one single entry to the car park after its validity has expired. The season parker card can then be renewed at the automatic cashpoint. The new validity period starts retrospectively with expiry of the previous validity. However, the short-term parker rate will be charged from entry of the season parker card. If the season parker card is not renewed after this entry, it is deleted or withdrawn at the exit, depending on the configuration of the exit. Prerequisite here is that the option "entry after expiry" is set to yes for the season parker group. (Input range 0 to 999)

Time 3 States for how many days the season parker card can be renewed at the automatic cashpoint after expiry of its validity . The new validity period then starts from the point in time of renewal and is no longer retrospective.



**A plausibility check is not carried out with time 2. Time 3 should be the same as or larger than time 2. The season parker card is deleted or retrieved at the exit, depending on the configuration of the exit (input range 0 to 999).**

f. belt Stipulates whether the season parker cards are to be coded from the belt (i.e. on paper). For this purpose, the belt is guided over the TBG. Caution: this option may not be used for plastic cards.  
y = season parker cards are coded from the belt  
n = season parker cards are coded individually from the front  
(recommended for plastic cards)

print. Paper tickets can be printed as required. Caution: this option may not be used for plastic cards.  
y=print season parker cards (paper tickets only)  
n=do not print season parker card

### 9.2 Selection menu

m=more Displays other rates, if available

s=search Searches for and displays other rates stating the data control center, the car park number and the TCC number.

n=next Displays the rates of the next car park or next data control center.

p=previous Displays the rates of the previous car park or previous data control center .

c=change Changes the data which are defined under the selected car park or selected data control center.

a=add Creates a new rate number in the selected car park or selected data control center.

d=delete Deletes a rate number

e=end Quits the season parker prices mask 2.

## 10 Coding a season parker card

Prerequisite for the coding of a season parker card is a season parker group and a price for this group. Similarly, a customer must be filed under the menu point **manage customers** , in the main menu **master data** or as **season parker**.

In order to be able to code tickets at the coding unit , the manual cashpoint must initially be switched over to coding unit (not applicable when there is a separate coding unit).

In the main menu **coding** or **season parker** , there is the menu point **activate coding unit** . This menu point sends the coding unit on-line and the manual cashpoint off-line . The coding unit then reports back in operation and thus shows that coding can begin.

The menu point **code season parking tickets** in the main menu **coding** or **season parkers** opens a mask. This mask is for input of the data required for coding.

```

Code season parking cards
Date [ 3. 3.99 ]
DZ-No. [ ]
Car park number [ ] Car park name [ ]
Rate no. [ ]
valid from [ ] To [ ]
Customer no. [ ] Customer name [ ]
Card number [ ] To (card no.) [ ]
CC-EC No. [ ]

BankCode [ ] Acc.No. [ ] Seq.No. [ ]

Tariff no. Group Number Unit Price out Pmt Val.
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Enter DZ-no., use BACKSPACE to quit
    
```

After entering the data control center number and the car park number , the following table is filled with the available prices for this data control center and this car park (filed for TCC no. 64). Contingent on the selection of the rate number, an input in the input field valid from can be made or not (val. yes or no). If an input in this field is possible, a date in the past or future can be entered here. The to field is then calculated accordingly. An input in this field is not possible.

After entering the customer number , the corresponding name appears in the field customer name. Input of the customer name is not possible.

The serial number of the season parker card is entered in the field card number. This ticket number should not be awarded. The query regarding double coding should be answered with no (unless explicitly requested). When a 0 is entered (zero, alphanumeric key panel), the system looks for the next free serial number.

After entering all necessary data, the season parker card can be coded in the coding unit . During coding , care must be taken to ensure that the magnetic strip of the season parker card is on the lower side.

After coding , the ticket can be read at the coding unit for checking. For this purpose, the menu point **read card** must be activated in the main menu point **coding** or **season parker**.

## Season parker configuration

---

If the coding procedure has been finished, the coding unit should be switched back to manual cashpoint (not applicable when there is a separate coding unit).

In the main menu **coding** or **season parker**, there is a menu point **activate manual cashpoint**. This menu point sends the manual cashpoint on-line and the coding unit off-line. Subsequently the manual cashpoint reports back in operation

The data of this ticket are to be found in the main menu point **master data** or **season parker** under the menu point **manage cards**. This is where the current data of the season parker card are memorised, such as last entry and exit.

Manage cards			
car-park-no. [ ]	Car park name [ ]	Date [ ]	
Card-No. [ ]	Card type [ ]		
Customer-no. [ ]	Customer name [ ]		
CountCustomer [ ]	CountCust.name [ ]		
Group number [ ]	Date of issue [ ]	Price [ ]	
Made by CP-no. [ ]	Park-Lot-No. [ ]	Value [ ]	
Valid from [ ]	To [ ]		
Last entry [ ]	At [ ]	TCC no. [ ]	
Last exit [ ]	At [ ]	TCC no. [ ]	
Last payment [ ]	At [ ]	TCC no. [ ]	
Protocol [ ]	Amount NZ [ ]	No. excess payment [ ]	
used-up amount [ ]		No. of usage [ ]	
used-up time in HHHH.MM [ ]			
TCC used last [ ]		[ ]	[ ]
s=search p=previous n=next d=delete m=more e=end			
Which option do you require?			

## 11 Deleting a season parker card

If a season parker card is blocked, it must be put on the blacklist at the data control center. To set a season parker card on the blacklist, the menu point **manage tickets** must be accessed in the main menu **master data**.

```

                                Manage cards
                                Date [      ]
car-park-no. [    ] Car park name [      ]
Card-No. [    ] Card type [    ]

Customer-no. [    ] Customer name [      ]
CountCustomer [  ] CountCust.name [    ]
Group number [    ] Date of issue [      ] Price [      ]
Made by CP-no. [  ] Park-Lot-No. [    ] Value [      ]

Valid from [    ] To [    ]
Last entry [    ] At [    ] TCC no. [    ]
Last exit [    ] At [    ] TCC no. [    ]
Last payment [  ] At [    ] TCC no. [    ]
Protocol [    ] Amount NZ [    ] No. excess payment [    ]
used-up amount [  ] No. of usage [    ]
used-up time in HHHH.MM [  ]
TCC used last [    ] [    ] [    ]

s=search p=previous n=next d=delete m=more e=end

                                Which option do you require?
*b=blacklist *r=request *f=free *p=protocol *h=card-history

```

The season parker card is then deleted at its next use at a terminal (entry, exit or cashpoint). A ticket which has been deleted in this way is either

- refused entry at the entrance point or let in once more
  - retrieved at the exit or returned when the barrier is closed
- depending on the configuration of the individual terminal.

If the season parker card has been deleted and withdrawn, the ticket can be deleted at the data control center in the menu point **delete tickets** under the main menu point **master data** or **season parker**.

**This procedure is recommended when the season parker card is not available!**

If the season parker card is to be deleted at the data control center, to code it for another season parker, then it must be deleted in the menu point **delete ticket** under the main menu point **master data** or **season parker**.

**This procedure is recommended when the season parker card is available!**

### Note :

A season parker card which has been deleted in the data control center but is still in circulation enters itself in the system again under customer number 9999. This means that the season parker can drive into and out of the car park. This function is configurable in the system (i.e. it can be deleted). It is recommended however in the event that all ticket data have been deleted by mistake.

## 12 Customer-related counting

If the season parker group is "prepared" for customer-related counting, several season parker cards can be coded for one customer.

In the main menu point **master data** or **season parker**, the mask **customer counter** can be accessed under the menu point **manage customers** with **co=counter**, after selecting the customer number.

```

                                Manage customers
                                Date [ 3. 3.99]

Customer no. [      ] Customer / car number [      ]
                                First name [      ]
Company no. [      ] No. of customers [      ]
Company name [      ] Birthday [      ]
                                Profession [      ]

Bank connection [      ] City [      ]
Bank acc. no. [      ] Street [      ]
Bank code no. [      ] Phone [      ]

                                last value cheque [      ]
                                last time cheque [      ]

s=search n=next p=previous c=chan a=add d=delete k=cards co=counter e=end

                                Which option do you require?
    
```

```

                                Customer-counter
                                Date [ 3. 3.99]

Customer no. [      ] Customer name [      ]

No.      Slave CP-no.      Car park name      Max-SSP present
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

                                m=more c=chan e=end

                                Which option do you require?
    
```



Here it is possible to stipulate the maximum number of season parker cards (max. SP) of the specific customer which are allowed to drive into the corresponding car park. In addition, the current number (current SP) of season parker cards of this specific customer which have already driven into the car park can be displayed or entered.

### **Example:**

A customer (company) is given ten season parker cards for its own staff. But only five season parker cards should park in the car park at the same time. The remaining tickets should be refused entry.

After coding the ten cards, the customer number is selected in the **manage customer** mask and the mask **customer counter** is accessed with co=counter.

After selecting the car park (c=change) , the system demands input of the maximum number of permitted season parker cards. A five is entered here. It is then possible to stipulate how many season parker cards are currently in the car park. If there are not any season parker cards in the car park yet, a zero has to be entered here. When the first employees of the customer (company) now drive into the car park, every attempted entry of a season parker card after five season parker cards of the customer (company) is refused entry with the message "no space available for customer". The employees then have to take a short-term parking ticket. The next season parker card of the customer (company) is granted entry to the car park after one of the season parker cards has left the car park.

### **Note:**

In the customer counter mask, the number of season parker cards (current SP) currently in the car park is shown referring to the tickets in the car park at the point in time of opening the mask. This is not updated while the mask is being used.

### 13 Accounting credited season parkers

```
SP-/VC-/TC-lists                                     Date [ 3. 3.99]

Printing starts at Customer [ 0]
Printing until Customer no. [ ]

Output from date (yy/mm/dd) [ ] Time [ ]
Output up to date (yy/mm/dd) [ ] Time [ ]

Value and time cheque list [ ]
Detailed list (y/n) ? [ ]
Collect report (y/n) [ ]
Employee/Company (y/n) [ ]
Cash-in (y/n) ? [ ]
Output to (T)erminal (P)rinter [ ]

Input correct (y/n) ? [ ]

End with <BACKSPACE>
```

Accounts of all incurred short-term parking amounts of the individual season parkers are carried out in the menu point **accounting for credited season parkers** under the main menu point **credited season parkers** . These accounts list the individual fee-paying parking procedures for each season parker and can be invoiced to the season parker. In order to proceed with these accounts, the required customer number , start of the accounting period and end of the accounting period have to be entered.

**Important:**

Accounts can always only be drawn up on the printer !

## 14 Coding Easy-Move cards

Code season parking cards							
							Date [ 3. 3.99 ]
DZ-No. [ ]							
Car park number [ ]	Car park name [ ]						
Rate no. [ ]							
valid from [ ]	To [ ]						
Customer no. [ ]	Customer name [ ]						
Card number [ ]	To (card no.) [ ]						
							CC-EC No. [ ]
BankCode [ ]		Acc.No. [ ]		Seq.No. [ ]			
Tariff no. [ ]	Group [ ]	Number [ ]	Unit [ ]	Price [ ]	out [ ]	Pmt [ ]	Val. [ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Enter DZ-no.

Easy-Move cards are no-touch season parker cards, which can be used to drive into and out of the car park like normal season parker cards, and can be used for excess payment and renewed in the same way.

Access control is by means of an antenna at the entrances and exits, renewal is by means of a separate antenna at the automatic cashpoints.

Compared to the plastic cards or chip coins, the Easy-Move cards cannot be coded at the coding unit .

Easy-Move cards are only supplied with a car park number and serial number. All other data are recorded at the data control center. In order to inform the system about the individual Easy-Move card, the menu point **coding chip cards** must be activated in the main menu **coding** or **season parker**. The procedure for coding the chip cards functions just as the procedure for coding normal plastic cards, with the difference that no coding unit is required. Inputs in this mask enter all further information required under the serial number of the Easy-Move card in the data control center.

In other words, entrance and exit with an Easy-Move card, and renewal at the cashpoint, always requires a link to the data control center .

### Important:

Terminals (entrances, exits and cashpoints) with Easy-Move function, which have no link to the data control center (off-line), treat Easy-Move cards like season parker cards in the season parker group 1.

### Note:

This menu point can also be used to re-allocate mistakenly deleted (plastic) season parker cards to a customer.

## 15 Coding credit cards/ec cards

For credit card functions at entrances, exits and coding units, it is possible to define selected credit cards or ec card numbers as season parker cards. Season parkers whose credit card number or ec card number are entered in the system can drive into and out of the car park as if using a normal (plastic) season parker card. Cards registered in the system in this way can still be used as a means of payment. In view of the fact that it is not possible to write any data on the credit cards and ec-cards, all season parker information is registered in the data control center. Coding follows the same procedure as for (plastic) season parker cards, with the difference that the credit card or ec card number is either entered or read into the system. Access to the credit card/ec season parker card at the data control center is possible by entering the season parker card number.

### Important

Terminals (entrances, exits and cashpoints) with credit card functions which currently have no link to the data control center (off-line), reject credit cards and ec cards.

CC-EC SP-coding				Date [ 3. 3.99]				
DZ-No.	[ ]							
Car park number	[ ]	Car park name	[ ]					
Rate no.	[ ]							
valid from	[ ]	To	[ ]					
Customer no.	[ ]	Customer name	[ ]					
Card number	[ ]	To (card no.)	[ ]					
		CC-EC No.	[ ]					
BankCode	[ ]	Acc.No.	[ ]			Seq.No.	[ ]	
Tariff no.	Group	Number	Unit	Price	out	Pmt	Val.	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	

Enter DZ-no.

## 16 Renewal at the data control center

When a season parker card is renewed at a cashpoint, after the fee has been paid, the expiry time on the season parker card is changed.

Season parker cards can also be renewed at the data control center . To do so, select the menu point **renew season parker cards** in the main menu **coding** or **season parker**.

Top-up SP-cards							
							Date [ 3. 3.99 ]
DZ-No. [ ]							
Car park number [ ]	Car park name [ ]						
Rate no. [ ]							
valid from [ ]	To [ ]						
Customer no. [ ]	Customer name [ ]						
Card number [ ]	To (card no.) [ ]						
							CC-EC No. [ ]
BankCode [ ]	Acc.No. [ ]			Seq.No. [ ]			
Tariff no. [ ]	Group [ ]	Number [ ]	Unit [ ]	Price [ ]	out [ ]	Pmt [ ]	Val. [ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Enter DZ-no.

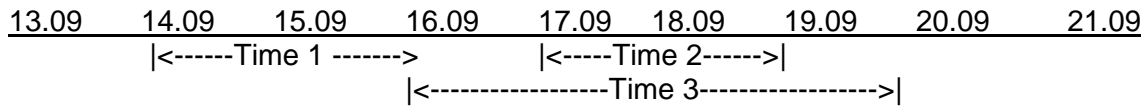
If a season parker card is renewed at the data control center, then only a note is made in the data control center. The season parker card is not directly changed. It is not even required for renewal at the data control center. If an expired season parker card is used at the entrance, this ticket number is queried by the entrance with the data control center. When the data control center reports that this ticket has already been renewed, then the entrance codes the new expiry time on the season parker card.

### Important:

When entering the rate number, it is important to ensure that a rate is selected which contains the same season parker group number as already stated on the season parker card.

### 17 Renewal at the automatic cashpoint

#### 17.1 Example 1:



A season parker card was coded on 15.08. It is valid for one month, i.e. until 23.59 hrs on 15.09. Presumption: the season parker drives into the car park at 10.00 hrs on 13.09. and stays in the car park.

1.) [ ]

The season parker goes to the automatic cashpoint at 15.00 hrs on 13.09.  
Message in the display at the automatic cashpoint: "Renewal not possible".  
The season parker card is not renewed.

2.) [ ]

The season parker goes to the automatic cashpoint at 10.00 hrs on 14.09. The season parker card is renewed until 15.10 after payment of the season parker fee.

3.) [ ]

The season parker goes to the automatic cashpoint at 10.00 hrs on 15.09. The season parker card is renewed until 15.10 after payment of the season parker fee.

4.) [ ]

The season parker goes to the automatic cashpoint at 10.00 hrs on 16.09. The season parker card is renewed until 15.10 after payment of the season parker fee plus incurred short-term parking rate since expiry of validity.

5.) [ ]

The season parker goes to the automatic cashpoint at 10.00 hrs on 17.09. The season parker card is renewed until 15.10 after payment of the season parker fee plus incurred short-term parking rate since expiry of validity.

6.) [ ]

The season parker goes to the automatic cashpoint at 10.00 hrs on 18.09. The season parker card is renewed until 18.10 (including current time) after payment of the season parker fee plus incurred short-term parking rate since expiry of the validity.

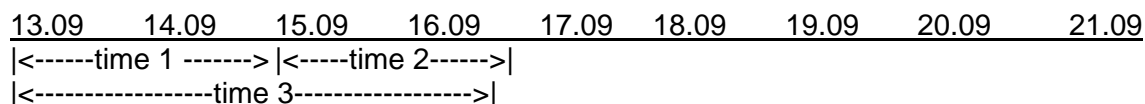
7.) [ ]

The season parker goes to the automatic cashpoint at 10.00 on 19.09. The season parker card is renewed until 19.10 (including current time) after payment of the season parker fee plus incurred short-term parking rate since expiry of the validity.

8.) [ ]

The season parker goes to the automatic cashpoint at 10.00 hrs on 20.09. The automatic cashpoint shows the incurred short-term parking rate incurred since expiry of the validity. Renewal is not possible.

17.2 Example 2:



A season parker card is coded on 15.08. It is valid for one month, i.e. until 23.59 hrs on 15.09. Presumption: the season parker drives into the car park at 10.00 hrs and goes to the automatic cashpoint at 15.00 hrs.

- 1.) [ ]  
The season parker drives into the car park on 13.09. and goes to the automatic cashpoint. Message in the display of the automatic cashpoint: "Renewal not possible. The season parker card is not renewed.
- 2.) [ ]  
The season parker drives into the car park on 14.09 and goes to the automatic cashpoint. The season parker card is renewed until 15.10 after payment of the season parker fee.
- 3.) [ ]  
The season parker drives into the car park on 15.09 and goes to the automatic cashpoint. The season parker card is renewed until 15.10 after payment of the season parker fee.
- 4.) [ ]  
The season parker drives into the car park on 16.09 and goes to the automatic cashpoint. The season parker card is renewed until 15.10 after payment of the season parker fee plus incurred short-term parking rate since entering the car park.
- 5.) [ ]  
The season parker drives into the car park on 17.09 and goes to the automatic cashpoint. The season parker card is renewed until 15.10 after payment of the season parker fee plus incurred short-term parking rate since entering the car park.
- 6.) [ ]  
The season parker drives into the car park on 18.09 and goes to the automatic cashpoint. The season parker card is renewed until 18.10 after payment of the season parker fee plus incurred short-term parking rate since entering the car park.
- 7.) [ ]  
The season parker drives into the car park on 19.09 and goes to the automatic cashpoint. The season parker card is renewed until 19.10 after payment of the season parker fee plus incurred short-term parking rate since entering the car park.
- 8.) [ ]  
The season parker drives into the car park on 20.09 and goes to the automatic cashpoint. The automatic cashpoint displays the incurred short-term parking rate since entering the car park. Renewal is not possible.





## 18 List of key words

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