



# Updates via SD-Card

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## Introduction

The new versions of the Oyster Vision operating control device makes it possible to update the software for the automatic satellite system with a standard SD-card.

This simplifies the update process enormous. It is no longer necessary to use a laptop with a special software and adapter.



Suitable are all new control devices with red date code.

## Assumptions

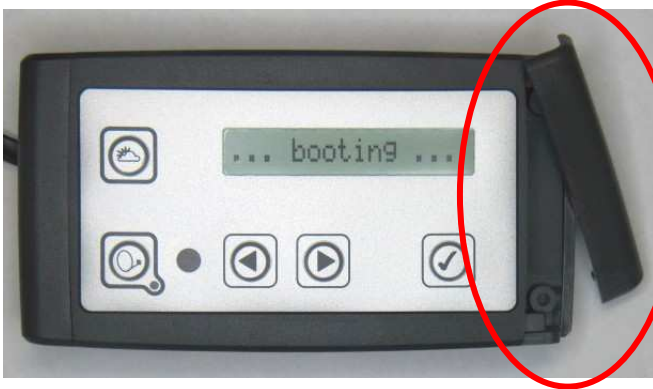
Your system should be in standby mode.

In case of older control devices (white box) please unplug them and use new ones.





## Card slot



Please connect the control unit with the system  
(...booting..., then ...finished!).

Now remove the cover on the right side.



Put the SD-card into the slot until  
it snaps into place (the side with  
the golden contacts left-handed  
facing down).

*Tip: To remove the card, please  
push the card a little bit to release  
the locking mechanism.*

The card will be analysed, followed by the request  
**Proceed update?**



No

Yes



Please press **OK** ✓ to start system verification  
and programming.

In case of errors they will be shown on display  
(e.g. wrong updates, system type mismatch ...)

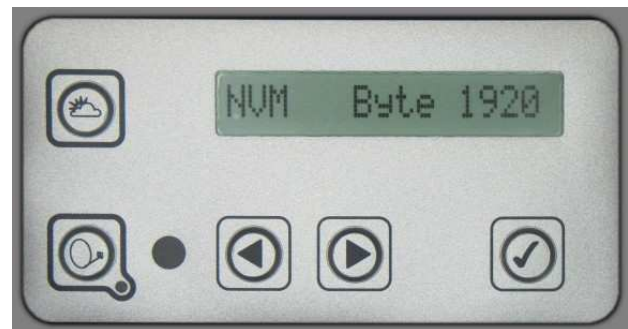


## Programming operation



First step is the update of the Flash-memory,

followed by the programming of the NVM.



The message **...finished!** indicates the end of the process, before the systems restarts with a reset.

### **Warning:**

**Never remove the card or switch off the power during programming operation!!!**



## Additional Information

- This document describes the update process with a “Simple Update Card”<sup>1</sup>. There are three versions of this card: **Vision**, **SunMoverSamy V1** and **SunMoverSamyV2**.
- On the cards is a special variant of the EEP file. This leaves the individual user settings of the system obtained.<sup>2</sup>
- It is possible that the SD-card causes a reset after insertion (depending on the hardware version of the control unit). In this case the box initiates a reconnect and continues normally.
- The check of a card can take longer if the card is damaged electrically → Please be patient!
- As long as the programming is not active, the card can be removed at any time.
- It is also possible to send the update data via e-mail (self-extracting archive file that will be unpacked on a card).

In this case, the used SD-card should be formatted with FAT32. This ensures that only reasonable cards can be used (older SD cards or MMCs may work, but they are out of specification. The same is true for SDHC cards).

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<sup>1</sup> There are also so-called "dealer cards", on which all possible variants are added. The upgrade process with these cards is generally different and carries the risk of incorrect programming of a system.

<sup>2</sup> The „dealer card“ sets all settings to factory defaults



## Error messages

- *"Card not formatted or unsupported filesystem!"*  
The SD-card can not be addressed physically (usually the card is electrically defective or not formatted).
- *" No valid update files found on card!"*  
The card is formatted correctly, but does not contain correct information (system and card do not match).
- *" No connection to device, no update possible!"*  
The control unit is under power, but has no secure connection to the system (cable fault).
- *"Update process stopped! Re-insert card to start a new update cycle."*  
This is not an error message, but a hint how you can restart after manual termination.
- *" No Bootloader! "*  
No Bootloader found → Production error!
- *"Hex-File corrupt"*  
Fault in the internal structure of the hex or EEP file → read error or corrupt file
- *"... booting ... "*  
The control unit attempts to connect to the system (confirmed by "... terminated!").