
ChannelMaster User's Guide

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1 Introduction

1.1 Introduction

ChannelMaster is a tool to convert a specially formatted files into SM-4500 application file.

This tool can open Microsoft Excel files, user-defined db files, and SM-4500 Binary files.

1.2 Requirement

To run this tool, you need at least a PC with Windows 2000/XP or higher version installed. No special hardware is required. You do not need to install this tool.

1.3 Restriction

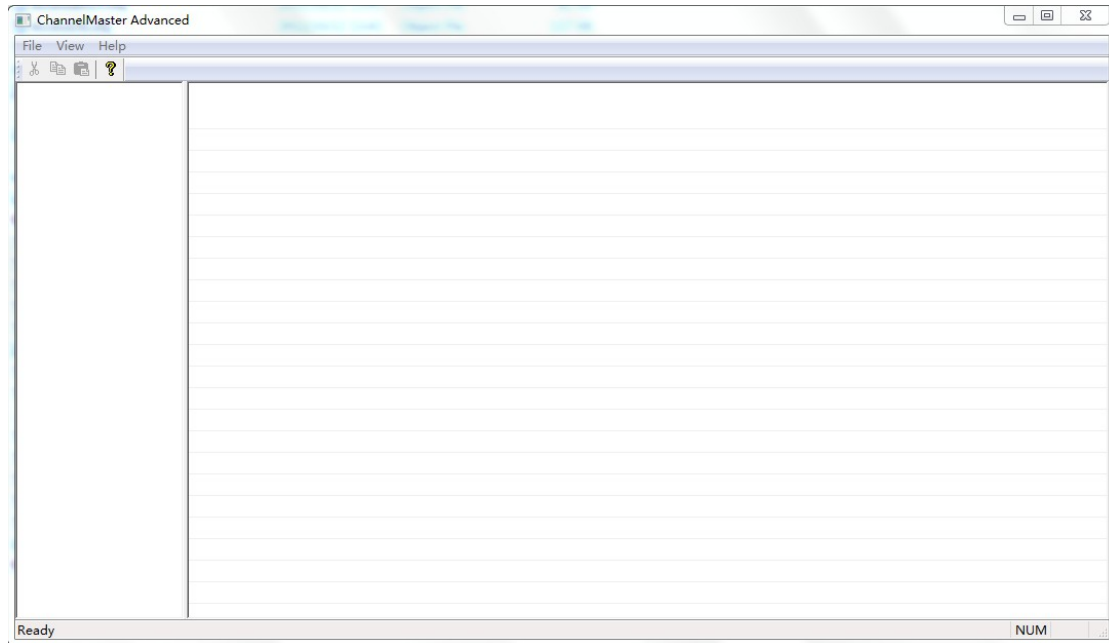
The DB data in Excel and DB file must follow some predefined specification. for more detail, please refer to Appendix A.

1.4 Glossary

DB --- DataBase - All data together with Satellite Node information, TP Node information and Program Node information.

2 Interface

The interface tool screen shot:

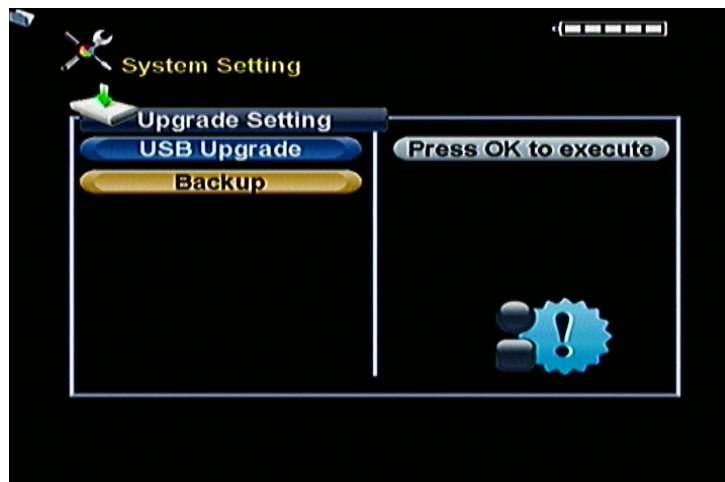


The left panel is a tree view to list nodes including Satellites and TPs. The right panel is list view to display all sub-nodes of the selected node.

3 Usage

3.1 Backup SM-4500 software

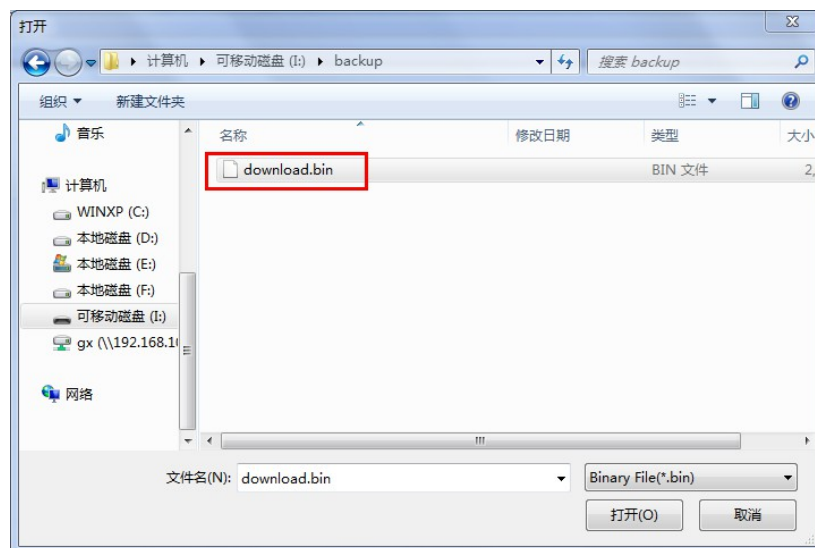
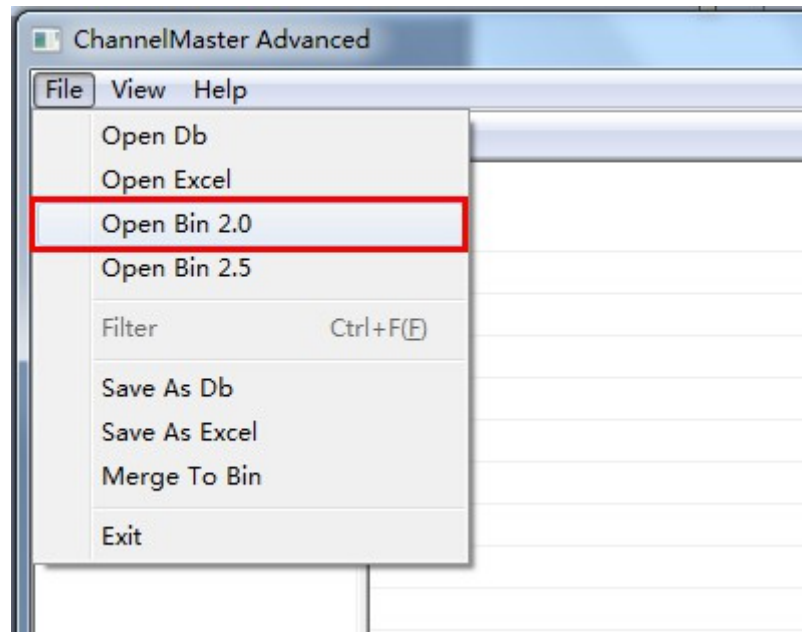
Backup data into USB flash drive from SM-4500, a “download.bin” file will be created on the USB flash disk.



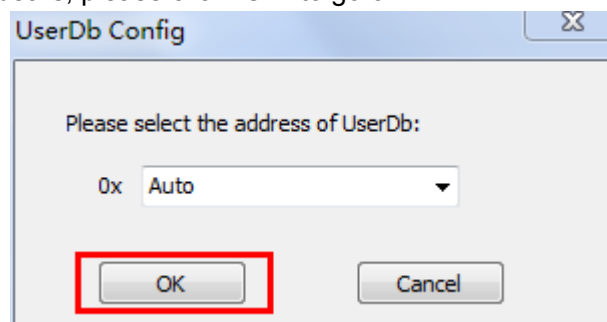
3.2 Import DB from bin file

Double-click "ChannelMaster.exe" to start the tool.

Select "File"→"Open Bin 2.0" in menu bar. select "download.bin" from the USB flash drive.

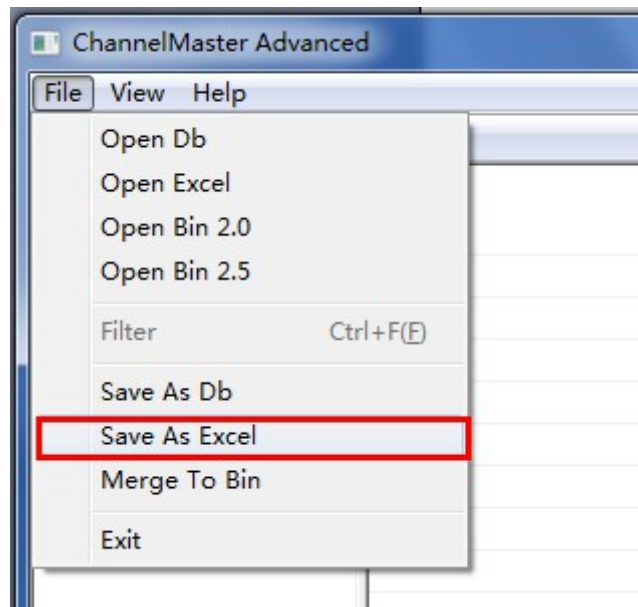


A prompt dialog appears, please click “OK” to go on.



3.3 Export DB to excel file

Select “File”→“Save As Excel” in the menu bar to save as an excel file.



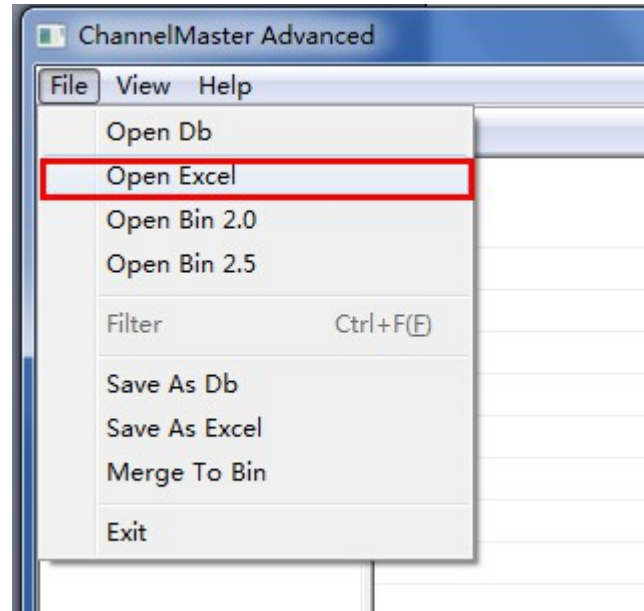
3.4 Edit parameters

Open the excel file, Edit the parameters.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	select	SateName	ProgSheet	Longitude	LocalFre	LocalFre2	12V	22K	DiSEqC	DiSEqC12	Director	LnType	DisEqC	McTunerSel
2	A	INTEL 701	INTEL 701	1800	5150	5150	0	0	0	255	0	0	0	
3	A	INTEL 701	INTEL 701	1800	9750	10600	0	2	0	255	0	1	0	
4	A	PAS2/C	PAS2_C	1690	5150	5150	0	0	0	255	0	0	0	
5	A	PAS2/Ku	PAS2_Ku	1690	9750	10600	0	2	0	255	0	1	0	
6	A	OPTUS_B1	OPTUS_B1	1600	9750	10600	0	2	0	255	0	1	0	
7	A	OPTUS_C1	OPTUS_C1	1560	9750	10600	0	2	0	255	0	1	0	
8	A	APSTAR_6	APSTAR_6	1340	5150	5150	0	0	0	255	0	0	0	
9	A	PALAPA_C2	PALAPA_C2	1130	5150	5150	0	0	0	255	0	0	0	
10	A	ASIASAT3S	ASIASAT3S	1055	5150	5150	0	0	0	255	0	0	0	
11	A	ASIASAT2	ASIASAT2	1005	5150	5150	0	0	0	255	0	0	0	
12	A	ASIASAT2	ASIASAT2	1005	9750	10600	0	2	0	255	0	1	0	
13	A	NSS_6	NSS_6	950	9750	10600	0	2	0	255	0	1	0	
14	A	YAMAL_201	YAMAL_201	900	5150	5150	0	0	0	255	0	0	0	
15	A	ST_1/C	ST_1_C	880	5150	5150	0	0	0	255	0	0	0	
16	A	ST_1/Ku	ST_1_Ku	880	9750	10600	0	2	0	255	0	1	0	
17	A	INSAT2E3S	INSAT2E3S	830	5150	5150	0	0	0	255	0	0	0	
18	A	THAICOM2	THAICOM2	785	5150	5150	0	0	0	255	0	0	0	
19	A	THAICOM2	THAICOM2	785	9750	10600	0	2	0	255	0	1	0	
20	A	Telstar_1	Telstar_1	765	5150	5150	0	0	0	255	0	0	0	
21	A	Telstar_1	Telstar_1	765	9750	10600	0	2	0	255	0	1	0	
22	A	PAS_7_10	PAS_7_10	685	5150	5150	0	0	0	255	0	0	0	
23	A	PAS_7_10	PAS_7_10	685	9750	10600	0	2	0	255	0	1	0	
24	A	INTEL_902	INTEL_902	620	5150	5150	0	0	0	255	0	0	0	

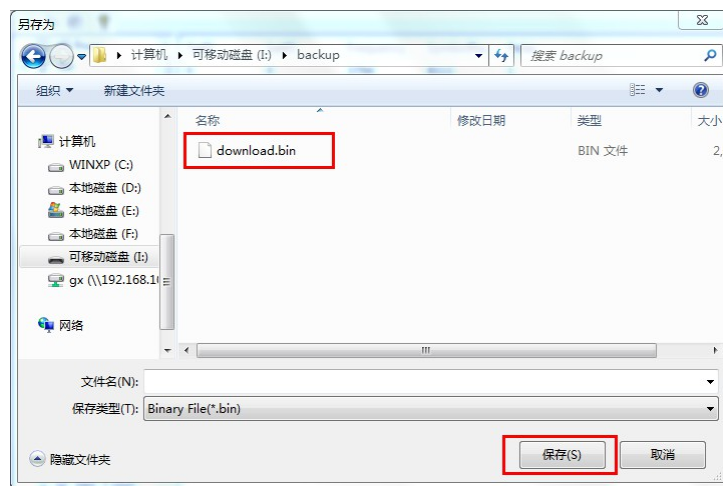
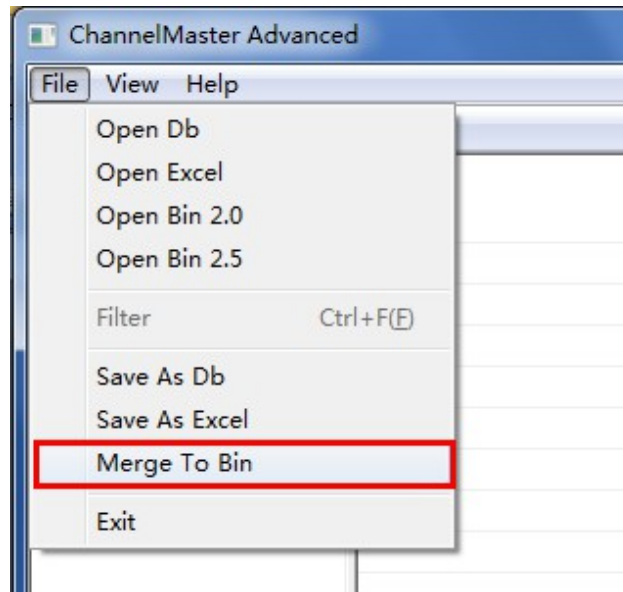
3.5 Import DB from excel file

Select "File"→"Open Excel" in menu bar to open new DB data.



3.6 Merge to Bin

Select "File"→ "Merge To Bin" in menu bar, select "download.bin" in USB flash drive to merge the current DB into "download.bin".



3.7 Upgrade SM-4500 software

Insert the USB flash drive to the SM-4500, Upgrade software in USB upgrade menu



System Setting



Upgrade Setting

All

Press OK to execute



Appendix A. Specification of Excel

To be import properly, the DB content of an Excel file must follow the specification as follows:

A.1 satellite sheet

The excel must contain a special sheet named "Satellites" including satellites data.

In this sheet, we set the first row as titles as follow sequence:

- A) select
- B) SateName
- C) ProgSheet
- D) Longitude
- E) LocalFre1
- F) LocalFre2
- G) 12V
- H) 22K
- I) DiSEqC
- J) DiSEqC12
- K) Direction
- L) Lnb Type
- M) DisEqC Motor
- N) TunerSel

There are two control columns: A ("select") and C("ProgSheet"). All the other columns are data columns.

The A("select") column is used to indicate import option of this satellite, all valid values are listed here:

- S: Import satellite data only.
- T: Import satellite and all its TP data.
- A: Import satellite and all its TP and program data.
- N: Import null of this satellite.

The C("ProgSheet") column is used to indicate the sheet name of the corresponding program data of this satellite. The tool will find the program data by this name.

A.2 program sheet

As the satellite sheet, program sheet also sets the first row as titles in the following sequence.

- A) ProgName
- B) Fre
- C) SymbolRate
- D) Polar
- E) VPID
- F) APID
- G) PCRPID
- H) Scramble
- I) Hide
- J) Track
- K) ServiceID
- L) PmtPid
- M) AvType
- N) Lock
- O) Skip
- P) FavType
- Q) TunerSel

Notes from Tim Heinrichs

If you don't have Microsoft Excel and don't want to pay for their software, you can use one of several FREE office suites that can read and write Excel files.

1. [LibreOffice](#) FREE, Linux and Windows
2. [OpenOffice](#) FREE, Linux and Windows
3. [Gnumeric](#) FREE, Linux and Windows

Use these FREE programs to modify your files and save them in .xls format.