

# First Time Installation

## 0. Overview

- Vu+ BLE RCU is basically working as IR remote control without Bluetooth pairing.
- Once it connects to Bluetooth, IR signal will not be working automatically except Volume Punch.

## 1. Bluetooth Setup

1) Bluetooth Pairing

[  : Press **MENU** > Select Setup > System > BluetoothSetup ]

2) Press **Red** key, you can make enable Bluetooth.



3) Press **AUDIO** + **MENU** at the same time for 5 seconds or press until LED is on then Bluetooth connection will be proceed.



4) If you do not want Bluetooth connection anymore, press **Yellow** key to remove VUPLUS BLE RCU on BluetoothSetup menu.

## 2. RCU keys for TV

- 1) Keys for TV only:  , 
- 2) Keys switchable between TV and STB: Volume +/− and 
- 3) All the other keys are for STB only

## 3. Volume Punch (Volume +/-, Mute key setup)

- 1) Default Volume and Mute Control : STB
- 2) Setup Volume +/− and  to STB mode
  - A. Press TV Power + OK keys at the same time for 3 seconds or press until RED LED is on.
  - B. Press STB Power key.
  - C. RED LED blinks 2 times, then off.
- 3) Setup Volume +/− and  to TV mode
  - A. Press TV Power + OK keys at the same time for 3 seconds or press until RED LED is on.
  - B. Press TV Power key.
  - C. RED LED blinks 2 times, then off.

## 4. TV Setup

- 1) 5-Digit Code Setting
  - A. Turn on the TV.
  - B. Press TV Power + OK keys at the same time for 3 seconds or press until RED LED is on.
  - C. Press 5-digit Code for TV vendor : LED will blink 1 time when you press 5-digit code and if the digit code set up properly, the signal for TV power-on will be out once.
  - D. Once RCU recognize the TV code properly, RED LED blinks once and then it will be on. : If you press OK key, LED blinks 2 times and the code will be saved
  - E. If the code is not valid one, RCU does not send Power IR code. And RED LED will be off for 0.5 seconds and it turns on again. You can press other code or press OK key for finishing set-up 5-digit mode.
  - F. After set-up TV vendor, Volume Punch(Volume +/-, Mute keys) will be automatically set up to TV mode.
- 2) Auto Search Setting
  - A. Turn on the TV.
  - B. Press TV Power + OK at the same time for 3 seconds or press until RED LED is on.
  - C. Press CH up or CH down key. LED blinks once when you press CH up or CH down key and the signal for TV power will be out at the same time with pressing CH up or CH down.
  - D. When you press OK key, LED blinks 2 times and then it will be off.
  - E. After set-up TV vendor, Volume Punch(Volume +/-, Mute keys) will be automatically set up to TV mode.
- 3) You cannot use with IR code for  and  keys unless the user setup TV.

## 5. STB Setup (System code change)

1) The default system code is Mode 2.

2) 5-Digit Code Setting

A. Press **STB Power + OK** keys at the same time for 3 seconds or press until RED LED is on.

B. RED LED will be still on even you release **STB Power + OK** keys.

C. Press 5-Digit Code.(Default : 00002)

00001	Mode 1
00002	Mode 2
00003	Mode 3
00004	Mode 4

D. LED will blink 1 time then it is on when you press 5-digit code properly and if you press **OK** keys LED blinks 2 time and all the setup will be saved automatically.

E. If the code is not valid one, RED LED will be off for 0.5 seconds and it turns on again. You can press other code or press **OK** key for finishing set-up 5-Digit mode.

## 6. Factory Reset

1) Press **PVR** + **EXIT** keys at the same time for 5 seconds.

2) The RED LED will blink 3 time after 5 seconds and all IR setup data including RCU pairing will be cleared.

## 7. Low Battery

1) If the battery level is low, RCU will be working as "Low Battery mode". The RED LED will blink 5 times when you press any keys on RCU and you need to change the batteries to new one.

2) All the data you setup (Bluetooth pairing and IR setup) will not be cleared even if the batteries are removed.

## 8. OTA Update (RCU firmware upgrade)

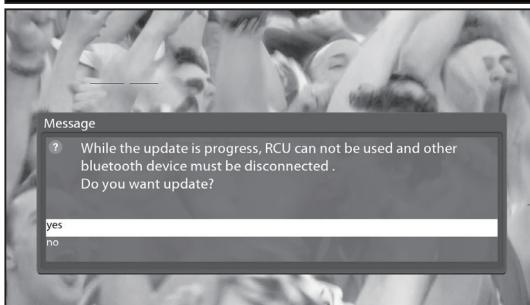
- Download VUPLUS BLE RCU firmware. ([www.vuplus.com](http://www.vuplus.com))
- Connect VUPLUS BLE RCU on BluetoothSetup menu.



- Choose VUPLUS BLE RCU and go into OTA Update menu with pressing EPG key.

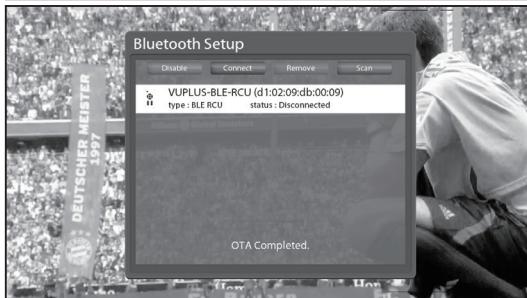


- Choose the Firmware file.



- Press Green key and the update will be proceed and you cannot use RCU while this updating.

- If you choose “yes”, OTA update will start. After OTA updated, press any keys on RCU so that Bluetooth is connected again.



- You need over 60% battery level for OTA update, if the battery level is not enough, OTA update will not be able to proceed.

## Function Key Table (Remote Control)

Vu+ Ultimo 4k remote control (RCU) is a universal one that can be used for TV and STB both.

### ① TV Power

Once configured for TV remote control, this button is for TV power on/off.

### ② STB Power

When the STB is turned on, normal press of this button puts the STB into standby mode instantly. When the STB is turned off, normal press of this button turns the STB on instantly.

Long press activates Standby /Restart menu.

### ③ Teletext

Displays the teletext information of the current channel if the channel provides subtitles.

### ④ Help

Displays major important operation methods of Vu+. This provides users with a quick guide of using Vu+.

### ⑤ Subtitle

Displays the subtitle of the current channel if the channel provides subtitle.

**NOTE :** when Teletext is activated,  key is also used when toggling between the Teletext page and the live mode.

### ⑥ AV

This button is used when selecting video source of TV.

### ⑦ Numeric Keys

Enters a channel number or numbers required to be input according to menu options.

### ⑧ Color Keys

Each key is assigned a specific function that may be different in each menu.

- Red – mainly used for REC, Cancel, etc.
- Green – mainly used for OK
- Yellow
- Blue – activate Fast Zapping and Mini TV

### ⑨ Recording List

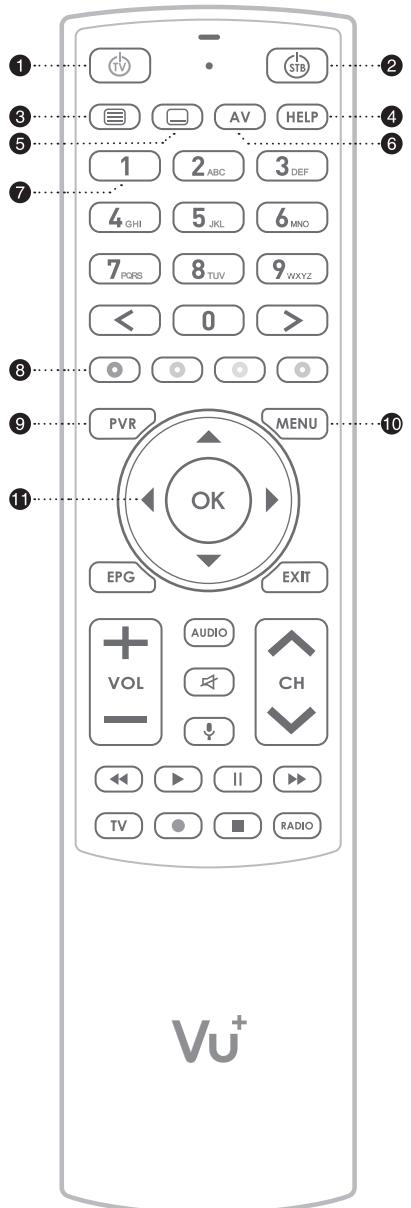
Displays the list of recordings stored on the internal HDD if any.

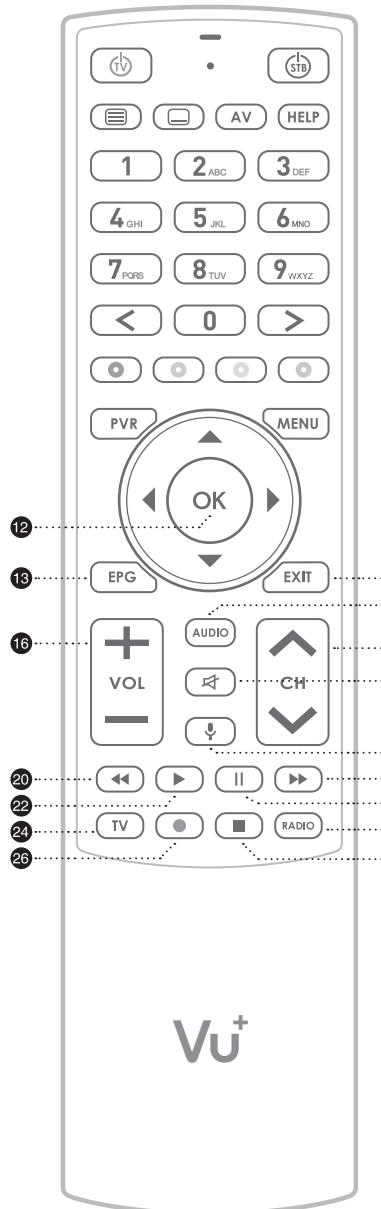
### ⑩ Menu

Displays the main menu.

### ⑪ Navigation Keys

Navigates up/down and left/right on the menu options.  
Up/down keys are used to call up the channel list.





- ⑫ **OK**  
Confirms the selected menu option.
- ⑬ **EPG**  
Displays the Electronic Program Guide (EPG) information if provided.
- ⑭ **EXIT**  
Exits the current menu option into the live mode, or switches one step back of the menu.
- ⑮ **Audio**  
Displays the audio track option to choose (e.g. ACS, Stereo).
- ⑯ **Volume + / -**  
Adjusts the audio volume.
- ⑰ **Channel + / -**  
Navigates through the scanned channel list.
- ⑱ **Mute**  
Silences the audio temporarily.
- ⑲ **MIC**
- ⑳ **Fast Rewind**  
Fast rewinds at up to 128 times faster than the normal speed (x2 / 4 / 8 / 16 / 32 / 64 / 128).
- ㉑ **Fast Forward**  
Fast forwards at up to 128 times faster than the normal speed (x2 / 4 / 8 / 16 / 32 / 64 / 128).
- ㉒ **Play**  
Plays the selected file (e.g. recording) at the normal speed.
- ㉓ **Pause**  
Pauses the live program or recording play.
- ㉔ **TV**  
Displays the TV Channel list.
- ㉕ **Radio**  
Displays the Radio channel list.
- ㉖ **Recording**  
Displays instantly the recording menu.
- ㉗ **Stop**  
Stops playing of a recording and goes to the live mode.

**TV Code List**

Brand ID for Device TV:

ACER	10746, 10640	ARISTONA	10230, 10122, 10119, 10111, 10109
ADL	10299	ASA	10234, 10105, 10102, 10087
ADMIRAL	10204, 10058	ASBERG	10267, 10185
ADYSON	10219	ASORA	10171
AEG	10759, 10673, 10652, 10643, 10642, 10572, 10533, 10532, 10319, 10286, 10282, 10263, 10249, 10123, 10109, 10031	ASTROSOUND	10108
AG	10282	ATLANTIC	10197, 10089
AGFAPHOTO	10655	AUDIOSONIC	10269, 10267, 10263, 10250, 10218, 10185, 10171, 10164, 10110, 10108, 10090, 10085, 10074
AHB TVISIONS	10131	AURORA	10219, 10171, 10170
AKAI	10679, 10648, 10636, 10517, 10287, 10280, 10279, 10275, 10251, 10250, 10249, 10155, 10108, 10106, 10104, 10103, 10097, 10093, 10074, 10036, 10027	AUTOVOX	10282, 10249, 10197, 10163, 10123
AKITA	10085	AWA	10108
AKURA	10624, 10542, 10541, 10430, 10429, 10428, 10174, 10171, 10108, 10086, 10074, 10064	AWATRON	10171
ALBA	10713, 10307, 10264, 10250, 10249, 10202, 10175, 10172, 10127, 10108, 10074, 10069, 10064, 10060	AXXION	10726, 10724, 10698, 10681, 10628, 10546
ALIEN	10264	BAIER	10751
ALLSTAR	10251, 10108	BAIRD	10750, 10733, 10578, 10524, 10188, 10032
ALTUS	10250	BANG & OLUFSEN	10204
AMSTRAD	10286, 10249, 100171, 100123, 10074, 10025	BASIC LINE	10277, 10264, 10249, 10170, 10120, 10108, 10033
ANAM	10285	BAUR	10266, 10256, 10251, 10233, 10217, 10216, 10212, 10211, 10171, 10143, 10131, 10111, 10108, 10097, 10096, 10092, 10074, 10045, 10042, 10036
ANDERSSON	10123	BEKO	10691, 10690, 10510, 10296, 10263, 10255, 10250, 10225, 10195, 10130, 10117, 10108, 10090, 10086, 10085, 10049
ANITECH	10277, 10267, 10251, 10219, 10185, 10108	BELSON	10741, 10686, 10685, 10580
ANSONIC	10786, 10732, 10108	BELSTAR	10249, 10116, 10108
ANTECNO	10064	BEST	10282
AOC	10016	BESTAR	10249, 10108, 10086
ARCELIK	10296, 10086, 10085	BLACK DIAMOND	10249, 10120
ARDEM	10250, 10085	BLACK PANTHER	10185
ARENA	10250, 10127		
ARGOS	10250		

BLAUPUNKT	10723, 10599, 10256, 10253, 10119, 10099, 10097, 10096, 10092, 10091	CONRAC	10225
BLUSENS	10787, 10654, 10611	CONTEC	10277, 10171
BLUE SKY	10286, 10282, 10273, 10264, 10250, 10249, 10172, 10109	CONTI	10263, 10250
BLUESTAR	10108, 10063	CONTINENTAL	10172
BOMANN	10282	CONTINENTAL	10193, 10172
BONDSTEC	10163	EDISON	
BRANDT	10270, 10195, 10193	COSMOS	10108
BRIONVEGA	10204	CROSLEY	10267, 10204, 10165
BROKSONIC	10285	CROWN	10764, 10286, 10282, 10274, 10267, 10264, 10263, 10255, 10250, 10249, 10185, 10171, 10108, 10090, 10086, 10085, 10063
BRUNS	10204	CS-ELECTRONICS	10163, 10064
BUSH	10774, 10766, 10725, 10568, 10314, 10303, 10287, 10286, 10283, 10264, 10250, 10249, 10232, 10202, 10123, 10121, 10115, 10108, 10074, 10069, 10063, 10031	CURTIS	10260, 10111
CAMPER	10085	D-VISION	10108
CELLO	10536, 10434, 10318, 10315, 10312, 10311, 10310, 10301	DAEWOO	10720, 10598, 10540, 10519, 10431, 10269, 10170, 10127, 10120, 10108
CENTURY	10204, 10165	DANSAI	10219
CGE	10267, 10260, 10165	DANTAX	10250, 10074
CGM	10264, 10108, 10086, 10085	DAYTEK	10194
CHANGHONG	10717	DECCA	10190, 10189, 10184, 10128, 10108, 10069, 10066, 10063
CIE	10171, 10170, 10166, 10108, 10064, 10025	DELTON	10249
CINERAL	10272	DENVER	10703, 10638, 10625, 10596, 10282, 10171, 10074
CINEX	10294, 10031	DESMET	10108
CLARIVOX	10258, 10232	DGM	10669, 10426
CLATRONIC	10742, 10296, 10294, 10286, 10282, 10267, 10260, 10255, 10250, 10249, 10218, 10185, 10171, 10165, 10164, 10110, 10108, 10074, 10064	DIBOSS	10621
CMX	10770, 10765, 10763, 10591, 10589	DIGIFUSION	10225
CONDOR	10267, 10260, 10255, 10229, 10171, 10109, 10108	DIGINUM	10031
CONIC	10219	DIGITREX	10586
		DIGIX	10187
		DISNEY	10062
		DMTECH	10778, 10529, 10320, 10308, 10304, 10286, 10249
		DOMUS	10108
		DUAL	10293, 10286, 10279, 10250, 10249, 10248, 10233, 10127, 10123, 10108

DUMONT	10267, 10234, 10204, 10185, 10110, 10109, 10105, 10102, 10087	FINLUX	10290, 10279, 10276, 10275, 10251, 10234, 10229, 10225, 10189, 10128, 10116, 10108, 10107, 10105, 10104, 10103, 10102, 10087, 10074, 10069, 10066, 10031
DURABRAND	10282, 10249		10294, 10273, 10264, 10251, 10249, 10108
DYON	10754, 10666, 10664, 10618, 10610	FISHER	10233, 10221, 10086, 10052, 10051
E-MAX	10194	FLINT	10273
ECG	10751, 10250, 10117, 10069	FORCE	10286, 10194, 10123
EDISON	10172	FORMENTI	10229, 10110, 10109, 10108
EDISON MINERVA	10172	FRABA	10248, 10108
ELBE	10273, 10229, 10209, 10185, 10120, 10108, 10074, 10058	FRONTECH	10220, 10171, 10166
ELBIT	10248, 10108	FUJITSU GENERAL	10554, 10197, 10088
ELCIT	10164	FUNAI	10755, 10629, 10617, 10293, 10286, 10264, 10249
ELECTRIC	10109	F&U	10555
ELECTRIC CO	10250	GALAXIS	10260, 10255, 10185, 10108
ELEKTA	10171, 10108	GALAXY	10255
ELEKTRONIKA	10274, 10116, 10108, 10086	GALERIA	10171
ELEMIS	10294, 10282, 10074, 10031	GBC	10269, 10267, 10171
ELIN	10108, 10087	GEC	10189
ELITE	10467, 10064	GELOSO	10171, 10164, 10064
ELMAN	10185	GENERAL	10171
ELTA	10171, 10108	GENERAL TECHNIC	10171
EMERSON	10204, 10108, 10086	GERICOM	10300, 10225, 10187
ESC	10108	GOLDFUNK	10264, 10249
EUROLINE	10286	GOLDHAND	10171
EUROPHON	10185, 10033	GOLDLINE	10273
EUROSKY	10249	GOLDSTAR	10288, 10268, 10263, 10250, 10237, 10219, 10191, 10171, 10166, 10163, 10110, 10108, 10090, 10074, 10038
EVELUX	10116, 10108		GOODING
EXPERT (I)	10089		
EXQUISIT	10110, 10108		
FENNER	10251, 10249, 10171, 10108		
FERGUSON	10594, 10549, 10548, 10544, 10507, 10270, 10195, 10078, 10032		
FIDELIS	10108		
FINLANDIA	10195, 10189, 10105, 10104, 10033		

<b>GOODMANS</b>	10605, 10543, 10321, 10316, 10306, 10305, 10287, 10286, 10285, 10275, 10270, 10269, 10268, 10264, 10251, 10250, 10249, 10225, 10224, 10195, 10194, 10187, 10176, 10171, 10170, 10123, 10120, 10115, 10110, 10109, 10108, 10103, 10074, 10068, 10064, 10063, 10031	<b>HAIER</b>	10774, 10733, 10313
		<b>HANNSPREE</b>	10706, 10602
		<b>HANSEATIC</b>	10308, 10296, 10277, 10269, 10251, 10250, 10248, 10229, 10225, 10220, 10191, 10171, 10127, 10120, 10110, 10108, 10100, 10085, 10060
		<b>HARWA</b>	10297
		<b>HB</b>	10282
		<b>HB INGELEN</b>	10172
		<b>HCM</b>	10277, 10171, 10108
		<b>HINARI</b>	10224, 10171, 10108, 10064
		<b>HISAWA</b>	10273
		<b>HISENSE</b>	10772, 10753, 10752, 10551, 10302
<b>GRAN PRIX</b>	<b>HIT</b>	10204	
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	<b>HITACHI</b>		
	<b>HITSU</b>	10273	
	<b>HL</b>	10251, 10195, 10108	
	<b>HOHER</b>	10250, 10249, 10123, 10117, 10069	
	<b>HOSHAI</b>	10264	
	<b>HUMAX</b>	10776, 10577, 10576	
	<b>HYPSON</b>	10171, 10163	
	<b>HYUNDAI</b>	10293, 10264, 10263, 10250, 10249, 10118, 10108, 10074, 10069, 10063	
<b>GRUNDIG</b>	<b>ICE</b>	10317, 10235, 10180, 10155, 10152	
	<b>IDEAL</b>	10171, 10108, 10064	
	<b>IMPERIAL</b>	10264	
		10267, 10260, 10255, 10229, 10165, 10110, 10109, 10108	
<b>GRUNKEL</b>	10785, 10732, 10545		
<b>H&amp;E</b>	10282		

INGELEN	10279, 10273	KOGAN	10758
INGERSOLL	10171	KUBA ELECTRONIC	10233
INNO HIT	10249, 10237, 10189, 10127	LAZER	10074
INTERCORD	10233	LECSION	10116
INTERFUNK	10265, 10255, 10251, 10165, 10108, 10067	LENCO	10721, 10689, 10684, 10682, 10628, 10593, 10546, 10249, 10170, 10110, 10108
INTERVISION	10191, 10166, 10108, 10086, 10085	LENOIR	10264, 10249
IPOSTAR	10171	LEVEL	10612, 10425
IRRADIO	10264, 10249, 10237, 10163, 10108, 10074	LG	10708, 10707, 10634, 10592, 10553, 10512, 10511, 10509, 10504, 10503, 10502, 10501, 10288, 10286, 10283, 10263, 10250, 10181, 10110, 10108, 10090, 10069, 10038, 10015, 10014, 10013
IRT	10446, 10440, 10439, 10437	LIESENKOETTER	10108
ISKRA	10085	LIFETEC	10293, 10264, 10249, 10171, 10170, 10127, 10118, 10108, 10074, 10064
ITL	10171	LOEWE	10608, 10204, 10142, 10138, 10131
ITS	10171, 10064	LOGIK	10757, 10680, 10649, 10630, 10606, 10587, 10264, 10187, 10070
ITT	10784, 10268, 10250, 10117, 10032, 10031	LUMA	10249, 10229, 10197
I-JOY	10667	LUMATRON	10249, 10229
JAY-TECH	10761	LUXOR	10279, 10276, 10275, 10267, 10251, 10249, 10237, 10186, 10128, 10116, 10105, 10104, 10103, 10074, 10066, 10032
JETPOINT	10268	M ELECTRONIC	10276, 10127, 10120, 10105, 10104, 10103
JMB	10063	M.D.C.	10074
JOCEL	10283, 10282, 10074, 10069	MACROLUX	10069
JTC	10761	MAGNADYNE	10204, 10185, 10164, 10163, 10108
JVC	10604, 10588, 10575, 10278, 10169, 10120	MAGNAFON	10185
KAISUI	10280, 10273, 10249, 10127	MAGNASONIC	10108
KAMACROWN	10064	MAGNAVOX	10251
KAPSCH	10197, 10089	MAGNUM	10294, 10263, 10250, 10074, 10031
KARCHER	10289, 10282, 10274, 10273, 10250, 10185, 10117, 10109, 10108, 10074, 10031	MANHATTAN	10264, 10249
KATHREIN	10187	MARANTZ	10108
KENDO	10296, 10273, 10270, 10249, 10229, 10127, 10108, 10060		
KENNEDY	10197		
KENNEX	10264, 10249, 10108		
KEYMAT	10235, 10207		
KIOTO	10442, 10441, 10439, 10438, 10436		
KITON	10293, 10264, 10249		
KNEISSEL	10273, 10264, 10249, 10229, 10108, 10058		
KOERTING	10274, 10204, 10086		

MARSHAL	10064	MULTITECH	10267, 10185, 10171, 10108, 10090, 10085, 10031
MASCOM	10279, 10074, 10031	MURPHY	10536, 10232
MASTERS	10108	MURYUANA	10251
MATSUI	10587, 10250, 10249, 10202, 10196, 10172, 10171, 10116, 10108, 10100, 10096, 10074, 10070, 10069, 10063, 10062, 10060, 10051, 10032, 10025	NAKIMURA	10170
MAXELL	10249	NECKERMANN	10274, 10256, 10255, 10251, 10250, 10233, 10217, 10216, 10212, 10211, 10204, 10169, 10143, 10119, 10118, 10108, 10101, 10100, 10096, 10093, 10092, 10084, 10074, 10060, 10059, 10043, 10037
MAXIM	10031	NEI	10108, 10064
MEDION	10788, 10779, 10771, 10745, 10722, 10699, 10683, 10605, 10570, 10293, 10287, 10283, 10279, 10264, 10251, 10250, 10249, 10225, 10194, 10187, 10127, 10110, 10108, 10074, 10031	NEUFUNK	10250, 10249, 10109
MEGAS	10273	NEX	10448
MEMORY	10286	NEXIUS	10282
METEOR	10185	NIKE	10108
METZ	10736, 10265, 10264, 10254, 10249, 10219, 10108, 10101, 10100, 10097, 10096, 10092, 10074	NIKKAI	10219
MICROMAXX	10293, 10282, 10264, 10250, 10249, 10074	NIKKEI	10264, 10249
MIKOMI	10516, 10286	NIKKO	10108
MINERVA	10232, 10172, 10100, 10097, 10092	NISSAN	10268
MIRAI	10582	NOBLIKO	10267, 10232, 10185
MITSAI	10110	NOKIA	10719, 10653, 10645, 10279, 10276, 10275, 10251, 10106, 10105, 10104, 10103, 10102, 10074, 10032
MITSUBISHI	10249, 10224, 10204, 10120, 10119, 10097, 10077, 10076, 10075, 10071	NORDMENDE	10657, 10518, 10296, 10282, 10270, 10261, 10249, 10195, 10193, 10069
MIVAR	10781, 10267, 10262, 10259, 10223, 10209	NORM N	10108
MMC2	10003, 10002, 10001	NORTEK	10264, 10249
MORAVA	10249, 10152, 10109	NOVA	10087
MOSAIC	10264, 10249	NOVATRONIC	10108
MT LOGIC	10773, 10718, 10590, 10250	OCEANIC	10276, 10104, 10103, 10032
MTC	10131, 10086	ODYS	10782, 10727, 10697, 10677, 10674, 10656, 10647, 10642, 10633, 10632, 10610, 10566, 10526, 10525, 10519
MULTITEC	10264, 10249	OKANO	10255, 10108
		ONWA	10280, 10108, 10064
		OPERA	10250
		ORAVA	10150, 10108, 10098, 10090

<b>ORBITER</b>	10086	
<b>ORION</b>	10760, 10675, 10665, 10662, 10660, 10515, 10507, 10296, 10251, 10250, 10249, 10236, 10219, 10205, 10202, 10196, 10194, 10187, 10185, 10118, 10108, 10074, 10070, 10069, 10064, 10063, 10062, 10060, 10059, 10025	<b>PHILIPS</b> 10735, 10710, 10700, 10678, 10650, 10635, 10631, 10627, 10626, 10580, 10539, 10534, 10251, 10230, 10122, 10119, 10116, 10112, 10111, 10109, 10108, 10092, 10069, 10067, 10065, 10021, 10020, 10019, 10009, 10008, 10007
<b>ORION (H)</b>	10249, 10228, 10116, 10108, 10074, 10062	<b>PHOCUS</b> 10250, 10225, 10130, 10117
<b>ORMOND</b>	10249	<b>PHOENIX</b> 10110, 10108, 10090
<b>OSAKI</b>	10108	<b>PIONEER</b> 10193, 10108
<b>OTAKE</b>	10196, 10060, 10059	<b>PIONIER</b> 10090
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