



MU 2880

DATA SHEET

- * Touch Panel
- * Code Table
- * Learning

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1 Basic Function:

- 1.1 TOUCH SCEREEEN DISPLAY
- 1.2 MACRO (MAX 60 Commands)
- 1.3 Control 16 devices, DVD, TV, SAT, RCVR, VCR & CD
- 1.4 Pre-programmed codes.
- 1.5 5 Hardware Buttons Devices Keys & 28 soft buttons.
- 1.6 Learning Function

2 Introduction:

2.1 Hard Keys:

- 2.1.1 Channel Up: Next Channel/ Decrease Volume / Fast rewind
- 2.1.2 SETUP/ PAGE: Press and hold this button for three seconds to enter setup mode. Press and hold this button for one second to display the date. Press this button to change to page 1 screen setup. If press again, it changes to page 2 screen setup.
- 2.1.3 OK: Confirm a command
- 2.1.4 RECALL: Recall the last channel selected
- 2.1.5 Channel Down: Previous Channel / Stop
- 2.1.6 VOL + / FF
- 2.1.7 POWER BUTTON: Turn home device off and on.
- 2.1.8 MUTE/ EJECT: AUDIO=MUTE; CD/DVD=EJECT
- 2.1.9 CHANNEL (#0~ #9)
- 2.1.10 BACKLIGHT

2.2 Soft Buttons: (Common)

2.2.1 Common Key

- 2.2.1.1 MACRO: Function Key, it can call MACRO function.
- 2.2.1.2 TV/Video: Select TV or Video input.
- 2.2.1.3 TV/CBL: Select TV or Cable TV.
- 2.2.1.4 Sleep: Set the sleep timer.
- 2.2.1.5 Subtitle: Select Character of different Languages
- 2.2.1.6 DISP: Display on screen Menu
- 2.2.1.7 GUIDE: Display program guide or setup menu
- 2.2.1.8 Exit: Exit the program guide and menu screens
- 2.2.1.9 Audio: Audio system
- 2.2.1.10 Time: Time setting
- 2.2.1.11 PIP: Picture in Picture Function
- 2.2.1.12 Select/ OK: Select in the program guide and menu screens.
- 2.2.1.13 UP/DOWN/LEFT/RIGHT: Move the Cursor in the program guide and menu screens.
- 2.2.1.14 Menu: Access the menu of your chosen component.
- 2.2.1.15 OSD: On Screen Display



- 2.2.1.16 Enter: Confirm the menu selection.
- 2.2.1.17 ▷/ □□: Play / Pause
- 2.2.1.18 Stop / Record
- 2.2.1.19 << / >>: Fast Backward/ Forward
- 2.2.1.20 DVD SET: SETUP Menu in DVD.
- 2.2.1.21 REPEAT: Repeat Function
- 2.2.1.22 SHUFFLE: Shuffle Function
- 2.2.1.23 ANGLE: Multi-Angle Selection
- 2.2.1.24 ZOOM: Zoom the Picture
- 2.2.1.25 LANGUAGE: Display Language
- 2.2.1.26 DVD/ MD/ VCR/ CD/ TUNER/ PHONO/ AUX/ TAPE/ DISC: AV Input
- 2.2.1.27 SWAP: Swaps the "MAIN" Picture and the "WINDOW" Picture
- 2.2.1.28 FREEZE: Freezes the "WINDOW" Picture

2.2.2 TELETEXT

	Enlargement (TXT); Position, FAV (SAT)
[≡]	Switch to Teletext or TV (TXT); Lock, Store (SAT)
[MIX]	TELETEXT MIX (TV and Teletext Combined)
	Page Hold (TXT); Bandwidth (SAT)
	Previous Channel (TXT); West, LNB (SAT)
	Next Channel (TXT); East, H/V (SAT)
[100i]	Index/Information
[TXT/TV]	Switch to Teletext or TV
[TV/SAT]	Switch to TV or SAT



2.3 BATTERY LOW Indicator

2.3.1 When the batteries are low, the battery-low icon is display in the upper right-hand corner near the time display. When icon appears, you cannot enter the setup menus.

2.4 TOUCH SCREEN

2.4.1 Touch the screen to activate it. It will turn itself off after user-defined power down time.

2.5 Entering the SETUP MENU.

2.5.1 Press and hold SETUP for 3 seconds to access the setup menu.

2.5.2 Press the SETUP during editing to return to the previous screen

2.5.3 While in the SETUP MENU, press ▲, ▼, ◀, ▶ on the Touch screen, it can select menus & setting. Press OK to confirm setting, and press EXIT to exit a menu.

2.5.4 At SETUP process, two minute will exit if no key be pressed.

2.6 SETUP MENU TREE

2.6.1 DEVICE

2.6.1.1 NEW

2.6.1.2 RELABEL

2.6.1.3 DELETE

2.6.2 CODE

2.6.2.1 PRE-CODE

2.6.2.2 LEARN

2.6.2.3 DEL KEY

2.6.2.4 DEL BANK

2.6.3 LAYOUT

2.6.4 MACRO

2.6.4.1 NEW

2.6.4.2 DELETE

2.6.4.3 VIEW

2.6.5 TIMER

2.6.6 OTHER

2.6.6.1 DATE

2.6.6.2 PWR DOWN

2.6.6.3 BANK LITE

2.6.6.4 BEEP

2.6.6.5 VERSION

2.6.7 RESET



3 SETTING UP

3.1 DEVICE MENU

- Enter the SETUP MENU, select DEVICE MENU and press OK to enter the device menu. You can select NEW/ RELABEL/ DELETE.
- Five default devices: TV、DVD、AMP、SAT、VCR、AUX (DEV)
- When a new device of any above item is created, it will load a relative layout by default device.

3.1.1 CREATING A NEW DEVICE

3.1.1.1 Press ▲ or ▼ to select NEW

3.1.1.2 Press OK

3.1.1.3 You are prompted to select device attributes to assign a new device.

3.1.1.4 Press ▲ or ▼ to select device's attribute. E.g. TV

3.1.1.5 Press OK.

3.1.1.6 You are prompted to re-label the device. Label should be 10 character.
(A-Z, 0-9 and space)

- Press ▲ or ▼ to select A-Z, 0-9 or space.
- Press and hold ▲ or ▼ to quickly scroll through the characters.
- Press Left or Right arrows, to move the cursor to the previous or next character.
- Press OK to confirm.

3.1.2 RE-LAYELING DEVEICE

3.1.2.1 Press ▲ or ▼ to select RELABEL

3.1.2.2 Press OK

3.1.2.3 Press the device button you want to re-label. (e.g. TV)

3.1.2.4 Press ▲ or ▼ to scroll through the characters. If press and hold, it can quickly scroll.

3.1.2.5 Press Left or Right arrows, to move the cursor to the previous or next character.

3.1.2.6 Press OK to confirm.

3.1.2.7 Press EXIT the DEVICE MENU.

3.1.3 DELETING DEVICE

3.1.3.1 Press ▲ or ▼ to select DELETE

3.1.3.2 Press OK

3.1.3.3 Press the device button you want to delete (E.g. DVD)

3.1.3.4 Press and hold SETUP for two seconds to delete the device. You are prompted to confirm. LCD will show "Are you sure?"

3.1.3.5 Press OK to confirm; press EXIT to cancel.

3.2 CODE MENU

3.2.1 USING PRE-CODE

- Press ▲ or ▼ to select PRE-CODE, then press OK.

3.2.1.1 Manual Searching

3.2.1.1.1 Turn on the Device.

3.2.1.1.2 Select the device key (E.g. TV)



- 3.2.1.1.3 Check the preprogrammed code list.
- 3.2.1.1.4 Enter the four-digit code and press OK to confirm. If code is 0001, enter “1” is OK.
- 3.2.1.1.5 Press POWER to test the code. You can test the function on the remote. If it cannot work property, you should **repeat** step 2.
 - You can press >> or << to increase or decrease the four-digit code number.
- 3.2.1.1.6 Press OK to confirm; or EXIT to exit the menu.
 - Note: It will show ERROR on LCD screen, it could be
 1. The code number doesn't exist in the Code table yet.
 2. That code number is not in the range of the Code Table.

3.2.1.2 Automatic Searching

- 3.2.1.2.1 Turn on the device.
- 3.2.1.2.2 Select the device key (E.g. TV)
- 3.2.1.2.3 Point the remote at the target device.
- 3.2.1.2.4 Press the AUTO button on LCD display. The “OK” icon will be flashed while automatically searching.
- 3.2.1.2.5 Press POEWR or AUTO key, it will stop searching.
- 3.2.1.2.6 The last tried code is displayed in the upper right-hand concern. Test this code by pressing the POWER button.
- 3.2.1.2.7 If it doesn't work, you may need to press the tuning down key << and try a few of the previously scanned codes.
- 3.2.1.2.8 Press OK to confirm the selection and save the settings; or press EXIT to exit.

3.2.1.3 Brand Name Searching (by code table)

- **When you press the ▲ or ▼ to select brand name, 1st line will display the brand name and 2nd line will display code number.**
 - 3.2.1.3.1 Turn on the device.
 - 3.2.1.3.2 Select the device key (E.g. TV)
 - 3.2.1.3.3 Point the remote at the target device.
 - 3.2.1.3.4 Press ▲ or ▼ to select brand name.
 - 3.2.1.3.5 Press >> or << to select relative code number.
 - 3.2.1.3.6 The last tried code is displayed in 2nd line on the LCD, Brand name will display on 1st line. Test this code by pressing the POWER button.
 - 3.2.1.3.7 If it can work, press OK to confirm and save. Press EXIT to cancel and exit the setting menu.

Note :

1. If brand name is more than 10 characters, it will scroll the brand name
2. Press and hold ▲ or ▼ more than 1 second , brand name will be quick scroll.
3. At Brand name searching, it cannot enter any number (0-9).



3.2.2 USING THE LEARNING MODE

3.2.2.1 All keys except for the page key, backlight key, and macro key can be learned.

3.2.2.2 Learning from Another Remote Control

3.2.2.2.1 Press ▲ or ▼ to select LEARN

3.2.2.2.2 Press OK

3.2.2.2.3 Point the target device's remote control at the "Learning eye"

3.2.2.2.4 Press the device button corresponding to the target device. (E.g. DVD)

3.2.2.2.5 Press the SOLF KEY (PAGE1 & PAGE2) or HARD KEY, LED will display "LEARNING for start learning.

3.2.2.2.6 Press the corresponding button of the target device's remote control until "OK" icon being displayed.

- It will display OK (2-3sec.) if the code was successfully learned or ERROR message if the code was not learned.
- Sometimes should be press several times.
- Ensure that the distance is between 2-5cm
- It will exit automatically if no key be pressed within 30".

3.2.2.2.7 Press PAGE to toggle between hard key and soft key.

3.2.2.2.8 When you have finished, press SETUP for two seconds to exit learn mode.

3.2.3 Erasing key code

3.2.3.1 Press ▲ or ▼ to select DEL KEY

3.2.3.2 Press OK

3.2.3.3 Select the device key you want to delete. (E.g. DVD)

3.2.3.4 Select the key corresponding to the code or macro that you want to delete. It will display OK if successfully deleted or ERROR if the key was already blank.

- Press PAGE to enter another page.

3.2.3.5 Repeat the above steps to delete other keys.

3.2.3.6 Press SETUP for two seconds to confirm and exit.

3.2.4 Erasing Device Codes

3.2.4.1 Press ▲ or ▼ to select DEL BANK [DEL BANK/ DVD]

3.2.4.2 Press OK

3.2.4.3 Select the device whose codes you want to delete. (E.g. DVD)

3.2.4.4 Press SETUP for two seconds to delete the device codes. You are prompted to confirm the deletion. "ARE YOU SURE?"

3.2.4.5 Press OK to confirm or EXIT to cancel.

3.3 LCD LAYOUT

3.3.1 Press ▲ or ▼ to select LAYOUT



- 3.3.2 Press OK
- 3.3.3 Select a device. (E.g. TV)
- 3.3.4 On the device Pages, select the key you want to customize. Continue pressing the key to scroll through the available choices for the key.
- 3.3.5 Press POWER to display available icons & assigned functions for the page.
- 3.3.6 Press PAGE to scroll through the LCD screen from page 1 & page 2.
- 3.3.7 After you have finished customizing the layout, press SETUP for two seconds to save your changes. You are prompted to confirm the changes. (ARE YOU SURE?)
- 3.3.8 Press OK to save or EXIT to exit without making changes.

3.4 USING MACRO

3.4.1 Creating a New Macro

- 3.4.1.1 Press ▲ or ▼ to select NEW [NEW / TV1]
- 3.4.1.2 Press OK
- 3.4.1.3 Select the device key to which you want to create a macro. (E.g. TV)
- 3.4.1.4 Press any soft or hard key that initiate the macro. Two beeps indicate that macro creation mode has started.
 - If you select a key that already has macro stored in it, the new macro will replace the old macro
 - We recommend using soft key to initiate macros, as assigning macros to hard keys replaces the hard key’s original function.
- 3.4.1.5 Press the hard and soft key sequence that you want to record as a macro. You can enter up to 60 commands.
 - Press MARCO between a key or button sequence to open a screen that enables you to insert a time delay between initiations of the commands when the macro is run.
 - You can use ▲ or ▼ to select delay time. Press OK to set the time and return to macro record mode.
 - Default delay is 00seconds places a 0.5” delay.
- 3.4.1.6 When you have finished recording your macro, press SETUP for 2” to save and exit. You are prompted to verify completion of the macro. "ARE YOU SURE?"
- 3.4.1.7 Press OK to save or EXIT to exit without making changes.

3.4.2 Macro Example: Turns on your TV, switches the TV to DVD viewing mode, turns on the DVD, and plays a DVD after a delay of 10”

1. Press ▲ or ▼ to select NEW	8. Press DVD device key
2. Press OK	9. Press DVD POWER
3. Press TV device key	10. Press MACRO and set time delay. (▲▼ Selecting seconds).
4. Press a key as macro key e.g. "ZOOM"	11. Press OK
5. 2 "BEEP", and display SETP00	12. Press DVD PLAY
6. Press TV POWER	13. Press SETUP for 2” to save



7. Press TV/Video	14. Press OK to confirm
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3.4.3 DELETING A MACRO

- 3.4.3.1 Press ▲ or ▼ to select DELETE [DELETE / VCR1]
- 3.4.3.2 Press OK
- 3.4.3.3 Press the device button for the macro you want to delete. The screen displays the macro keys for the device.
- 3.4.3.4 Press the macro key you want to delete.
- 3.4.3.5 Repeat step 4 to delete other macro keys.
- 3.4.3.6 Press SETUP to exit.

3.4.4 VIEWING Assigned MACRO Keys

- When macros are assigned to a device, the macro key macro appears on the LCD display.
 - Only macros keys for the current device page are displayed. Press SETUP to view macro keys for the next page.
- 3.4.4.1 Press and hold SETUP to view the macro keys for the device (for example, TV).

3.4.5 Viewing a MACRO Sequence

- 3.4.5.1 Press ▲ or ▼ to select VIEW.
- 3.4.5.2 Press OK
- 3.4.5.3 Press the device button for the macro you want to view (for example, TV).
 - Press SETUP to display soft macro keys assigned to page 2.
- 3.4.5.4 Press the macro key for the macro you want to view.
- 3.4.5.5 Press CH+ to scroll up through the macro sequence and view commands. Press CH- to scroll down through the macro sequence and view commands.

3.5 SETTING the Timer

3.5.1 SETTING UP A NEW TIMER

- 3.5.1.1 Enter the setup menus, scroll to TIME and press OK to enter the timer menu.
- 3.5.1.2 Press ▲ or ▼ to select one of the eight timers and press OK.
- 3.5.1.3 In the day timer setting, press ▲ and ▼ to select one of the day settings shown.
 - OFF: NO TIMER
 - DAILY: Daily
 - SPECIFIC: Specific Day/ TIME
 - MON-FRI: Every Mon-Fri
 - MON-SAT: Every Mon- SAT
 - SUN: Every Sunday
 - MON: Every Monday
 - TUE: Every Tuesday



- WED: Every Wednesday
- THU: Every Thursday
- FRI: Every Friday
- SAT: Every Saturday

3.5.1.4 Press Ok to confirm the day setting. If you select specific, you must set the date.

3.5.1.5 In the date setting, press ▲ and ▼ to adjust the date for the time. Press ◀ and ▶ to select the previous and next field.

3.5.1.6 Press OK when you have set the date timer.

3.5.1.7 In the time setting, ▲ and ▼ to adjust the hour and minute for the timer. Press ◀ and ▶ to select the previous and next field.

- The clock is set on a 12 hour time scale (AM and PM denote morning and evening).

3.5.1.8 Press OK when you have set the hour and minute for the timer.

3.5.1.9 Press the macro key that initiates the macro you want to run.

- Press macro to view available macros for a device.

3.6 Miscellaneous Menus

- Enter the setup menus, scroll to OTHER and press to enter this menu.
- Press and to scroll through the menu options: DATE/ PWR DOWN/ BACKLITE/ BEEP/ VERSION

3.6.1 SETTING THE DATE & TIME

3.6.1.1 Press ▲ or ▼ to select DATE.

3.6.1.2 Press OK.

3.6.1.3 Enter the date:

- Press ▲ or ▼ to scroll through the characters (from A-Z, 0-9, and the space key).
- Press and hold ▲ or ▼ to quickly scroll through the characters.
- Press ◀ or ▶ to move the cursor to the previous or next character.
- Press OK to confirm the date.

3.6.1.4 Set the time:

- Press ▲ or ▼ to scroll through the hour: 1~12; Minute: -00~59
- Press and hold ▲ or ▼ to quickly scroll.
- Press ◀ or ▶ to move the cursor to the previous or next character.
- Press OK to confirm the time.
- The clock is in a 12-hour format.

3.6.2 SETTING THE POWER DOWN TIME

3.6.2.1 Press ▲ or ▼ to select POWER DOWN.

3.6.2.2 Press OK.

3.6.2.3 Press ▲ or ▼ to select the time that will elapse before the remote turns off.

3.6.2.4 Press OK to confirm.

3.6.3 SETTING THE BACKLIGHT ON TIME

3.6.3.1 Press ▲ or ▼ to select BACKLIT



3.6.3.2 Press OK.

3.6.3.3 Press ▲ or ▼ to select the time that the backlight stays on after pressing a key or button. (From 02~60 second at 1" increments)

3.6.3.4 Press OK to confirm.

3.6.4 SETTING THE BEEP SIGNAL

3.6.4.1 Press ▲ or ▼ to select BEEP

3.6.4.2 Press OK to toggle the beep on or off. When ON, LCD will display the ON icon.

3.6.4.3 Press EXIT to exit this screen.

3.6.4.4 Press ▲ or ▼ to select other menu.

3.6.5 CHECK THE VERSION NUMBER

3.6.5.1 Press ▲ or ▼ to select VERSION

3.6.5.2 Press OK to view the PROGRAM (P) and PRE-PROGRAMMED (C) version numbers.

3.6.5.3 Press EXIT to exit this screen.

3.7 RESETTING

- All MACRO and user-defined keys are erased when resetting to factory defaults.

3.7.1 Press ▲ or ▼ to select RESET

3.7.2 Press OK. You are prompted to confirm the reset. "ARE YOU SURE?"

3.7.3 Press OK to confirm or press EXIT to exit this screen

⇒ Version History

DATE	VERSION	DESCRIPTION	REMARK
MAY-2005	V1.0	ORIGIN	
OCT-2005	V1.1	Updated function	
JUL-2006	V1.2	Updated function	

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