

MEITRACK LED Display User Guide



Applicable Model: MVT600/T1/T333



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2 Product Applications

- Vehicle advertising
- Emergency announcement

3 Product Function and Specifications

3.1 Product Function

- Display advertisements
- Display alarm information
- Display instant messages
- Display time

3.2 Specifications

Item	Specifications
Color displayed	Yellow
LED display diameter	φ3.75
Single lamp brightness	Average 800 mcd
Light wafer size	9mil
Refresh rate	160 Hz
Dot pitch	6 mm
Module points	128 x 16
Display size	768 mm x 96 mm
Dimension	792 mm x 120.6 mm x 33.5 mm
Resolution	2048 Dpi
Net weight	2.2KG
Life	>100,000 hours
Mean time between failure	50,000 hours (MTBF)
Operating voltage	DC 9–36 V
Operating temperature	-25°C to +50°C
Average power	< 15W (Under Normal Condition)



4 Accessories

- LED display
- Power conversion cable
- 4 pin to 8 pin conversion cable

5 Installing the LED Display

5.1 Mounting the LED Display to Your Vehicle

4 brackets required are as follows: 2 lower brackets, 1 left bracket, and 1 right bracket.





Lower brackets

1. Mount the upper and lower brackets with hex bolts M5*12, and screw the bolts with flat/spring washers.



2. Fasten 4 hex bolts M5*12 into the back of the LED display, mount and tighten up the left and right brackets with flat/spring washers.



Note: Please pay attention to the direction of the LED display while mounting. The lower brackets must be installed on the lower part of the LED display. Otherwise, texts displayed will be upside-down.

Use any of the following ways to determine the direction of the LED display:

- Turn on the LED display, and view texts displayed to determine the direction.
- Check the appearance of the LED display. The side with a sun shade should be the top side of the LED display.
- 3. Mount the LED display to the back of the vehicle.

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5.2 Connecting the LED Display to a Tracker

MVT600: Connected to Camera2 ports



T1/T333: Connected to Handset/RFID ports



6 Configuring the LED Display by MS03

6.1 Going to LED Settings Menu

- 1. On the main interface, choose **Management**. The **Management** window is displayed.
- 2. Select LED settings from Use Normal. The LED settings window is displayed.





6.2 LED Display System Command

Display syst	tem command	Display sys	tem command
Display command:	Obtain LED time Obtain LED time Calibration command Set brightness Read brightness Query work status Auto power on/off Maniter switch command	Display command: Monitor switch command:	Monitor switch command Close the display Close the display Open the display Reset the display
	Send command		Send command

- **Obtain LED time**: Obtain the LED display time.
- **Calibration command**: Calibrate the LED display time.
- Set brightness: Set the LED display brightness. The brightness value ranges from 0 to 15.
- **Read brightness**: Read the LED display brightness.
- Query work status: Query the work status of the LED display in real time.
- Auto power on/off: Set the work time of the LED display.
- **Reset the display**: Restart the LED display. For example, if the 4th advertisement is playing on the LED display, select and send the **Reset the display** command, then the LED display will start playing from the first advertisement.

6.3 Adding an Advertisement

1. On the Management window, select LED settings from Use Normal. The LED settings window is displayed.

LED advertisement settings Instant info Default info Alarm	Icons from left to right: Search,
Enter tracker name	Add, Edit, and Delete
Tracker name Mailbox No Send status Advertisement name Valid forever Start date	

2. On the **LED advertisement settings** tab page, click **Constant advertisement** window that is displayed, set advertisement parameters, and click **Submit**. The LED display will play the advertisement later.

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Add an advert	isement	⊗
		-
Tracker name:	🔲 Select a tracker 🛛 👻	
Advertisemer name:		
Fonts:	Thin font 👻	
Move mode:	Move left ~	
Move speed:	1Character/second 👻	
Stay time (second):	0 \$	
Stop mode:	Paging stop 👻	
Cycles:	1 ‡	
Valid forever:		
Start date:	2015-09-15	
Submit	Add period Reduce perio	

- Tracker name: Select one or multiple trackers.
- Advertisement name: Set the advertisement name. It is mandatory.
- Fonts: Thin and bold fonts are available.
- Move mode: Four options are available: Move left, Move up, Move down, and Keep.
- Stay time (second): indicates the stay interval between two pages.
- Stop mode: Two options are available: Paging stop and Last stop. When advertisement texts exceed 16 characters, paging will occur. Paging stop: Every page will stop sliding according to the preset stay time. Last stop: Only the last page will stop sliding.
- **Content**: An advertisement can contain 256 characters.
- Valid forever: If this option is selected, the LED display will play the advertisement all the time without any time limit. If this option is deselected, you can set the start date and end date. So the LED display will play the advertisement during this preset time period.
- Cycles: indicates the number of times for information playing.
- Add period: The LED display will play the advertisement according to the preset time period. You can add or delete a time period by Add period and Reduce period.



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Add an advert	isement		8	3
Cycles:	1		÷	×
Valid forever:				
Start date:	2015-09-15		1010	
End date:	2015-09-15		1010 1010 1010	
Content:				
Show time period1:	00:00	_~ 00:15	-	
Show time period2:	00:00	00:00	-	Play the advertisement according to the preset time period.
Show time period3:	00:00	÷ 00:00	-	
Show time period4:	00:00	÷ 00:00	*	
Submit	Add perio	d Reduc	e perio	

6.4 Modifying an Advertisement

Only one advertisement can be modified at a time.

LE	D advertisemen	t settings	nstant info D	Default info Alarm		
En	ter tracker name		a c 🕑 🛪	t		
	Tracker name	Mailbox No	Send status	Advertisement name	Valid forever	Start date
	cathyMVT	3	Not confir	LED3	No	2015-08-1
	cathyMVT		Not confir	LED2		2015-08-1
\checkmark	cathyMVT	1	Not confir	LED1	Yes	2015-08-0

To modify an advertisement, perform the following operations:

- 1. On the LED advertisement settings tab page, select an advertisement to be modified, and click
- 2. On the Edit an advertisement window that is displayed, modify advertisement information.

10



Edit an adverti	sement(MVT600-2815)	⊗
		-
Advertisemer name:	SGE	
Fonts:	Thin font 👻	
Move mode:	Move left 👻	
Move speed:	1Character/second -	
Stay time (second):	1 -	
Stop mode:	Paging stop 👻	
Cycles:	12 ‡	
Valid forever:		
Start date:	2015-08-26	
End date:	2015-08-26	
Content:	SGE	-
Submit	Add period Reduce perio	

6.5 Deleting an Advertisement

One or multiple advertisements can be deleted at a time.

	LED advertisemen	t settings I	nstant info D	efault info Alarm		
	Enter tracker name		🗴 🕑 🖸	8		
	Tracker name	Mailbox No	Send status	Advertisement name	Valid forever	Start date
Ľ						2015-08-1
Ŀ	cathyMVT		Not confir	LED2		2015-08-1
Ŀ	cathyMVT		Not confir	LED1		2015-08-0
L						
I	Prompt			8		
	Are you sure you	want to delete	e the selected dat	ta?		
		OK Ca	ncel			

You can also send an command to delete all advertisements.



LED advert	isement settings 🛛 🛇
Advertising command:	Delete all advertisement int Delete all advertisement info Search the quantity of general info (advertisement) Read a piece of general info (advertisement)
	Send command

6.6 Querying an Advertisement

There are two query methods as follows:

1. Query an advertisement sent from the server successfully.

LED advertisement settings Instant info Default info Alarm						
Enter tracker name 🖸 💽 💌 🗶						
	Tracker name	Mailbox No	Send status	Advertisement name	Valid forever	Start date
	cathyMVT					2015-08-1

Note: You can only query the advertisements sent from the server successfully. For example, when an advertisement is being sent on computer A, after logging in to the platform from computer B, you cannot query this advertisement. This advertisement can be queried only after it can be read from the LED display.

2. Query an advertisement that is playing on the LED display.

LED adver	tisement settings	0
Advertising command:	Read a piece of general in	*
Mailbox No:	1	*
	Send command	

Read a piece of general info (advertisement): You must select a mailbox.

Mailbox No: where advertisements store. 0 indicates the first mailbox and by analogy to 255 indicates the 256th mailbox.



6.7 Setting an Instant Message

- 1. On the LED settings window, click the Instant Info tab. The Instant Info tab page will be displayed.
- 2. On the Instant Info left pane, set an instant message.

Instant inf	0	© •	Move speed:	5Character/second	~
Play levels:	Urgent	-	Stay time (second):	0	\$
instant state:	Exit by a command	Ŧ	Stop mode:	Paging stop	-
Fonts:	Thin font	~	Content:		
Move mode:	Move left	*			
Move .	5Character/second	~ ~			- ·
Send	messa: Stop mes	sag	Send I	messa: Stop mess	sa <u>c</u>

- Play levels: Two options are available: Ordinary and Urgent.
- Exit the instant state: There are four ways to exit: Exit by a command, Instant end time, Instant play time, and Instant cycle times.

Note: Instant messages can be set only once, and ordinary and urgent messages cannot be set at the same time. If you want to modify the instant message, send a command to stop the message and then reset an instant message.

6.8 Setting Default Information

When no advertisement is played, set default information or system time to display.

To set default information, perform the following operations:

- 1. On the LED settings window, click the Default info tab. The Default info tab page will be displayed.
- 2. On the **Default info** left pane, set default information.

Default info	0	
Fonts:	Thin font 💌	
Move mode:	Move left 🔍	
Move speed:	5Character/second 💌	
Stay time (second):	0 🗘	
Stop mode:	Paging stop 👻	
Content:	•	
Show d	Show system	
01-	14 14:20:2	
	System time	

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6.9 Setting Alarm Information

Alarm	0					
Display alarm command:	Set an alarm 👻					
Alarm receiving mark:	Receive and show now 👻					
Alarm content (CN: 8; EN: 16):						
Send command						

- Display alarm command: Three options are available: Set an alarm, Show alarm info, and Disable alarm display.
- Alarm receiving mark: Two options are available: Receive and show now and Shield and not show. Shield and not show: Select this option with caution. The alarm function will be disabled after this option is selected.

Note:

- 1. To display the alarm information on the LED display, the **Show alarm info** command must be set after the **Set an alarm** command is set.
- 2. Instant message and alarm information cannot be set at the same time. If an instant message has been set, stop it and then set the alarm information, and vice versa.

If you have any questions, do not hesitate to email us at info@meitrack.com.