

# LKEH



## MP3 Voice Annunciator & LED Signal Tower



- LED**
- 32 Alarm Sounds**
- 105dB at 1m**
- IP53**
- (LED) Ø100**
- NPN Open-collector**



## Get the attention you need with the PATLITE field-programmable LKEH Series Hybrid Signal Tower with audible alarm.

### FEATURES

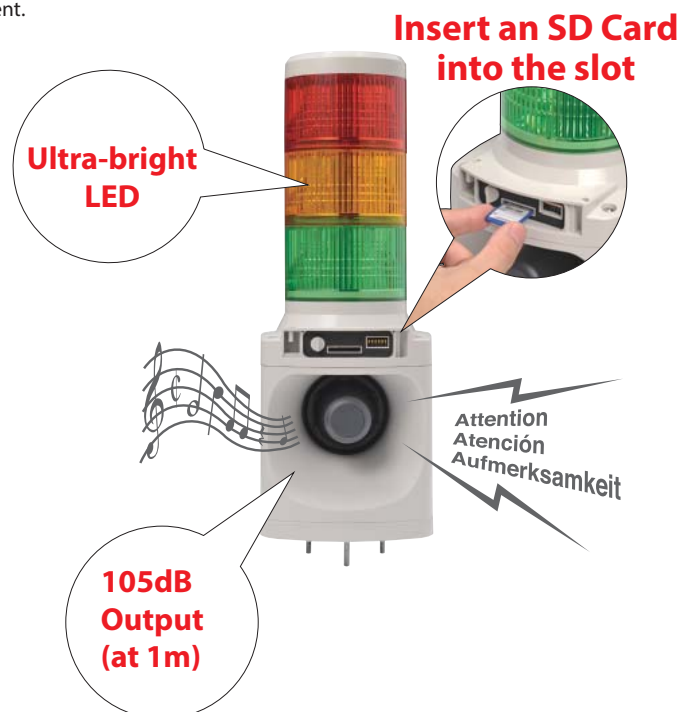
- The pre-recorded type offers 32 sounds in one unit with 8 bit input and 32 binary input channel capability.
- The message capacity for the LKEH-FV is 63 seconds (64kbit/s) with 5 bit input and 31 binary input channel capability.
- The LKEH-FV is field-programmable with an SD Card (sold separately).
- Visible from great distance with ultra-bright LEDs and 100 diameter lens.
- A 2G vibration resistant design allows safe use in a high-vibration environment.
- One common wire makes it easy to control both the audio and LED inputs.
- Volume is adjustable from 0 to 105dB (at 1m) to fit various environments.
- Compliance with the RoHS Directives makes it environmentally friendly.
- Complies with EU directives and includes the CE mark (for 24V type).

### AVAILABLE BY SPECIAL ORDER

- PNP open collector transistor type.
- AC 120V type
- UL Listed (File No. E215660, for 24V type only).

### How to Order

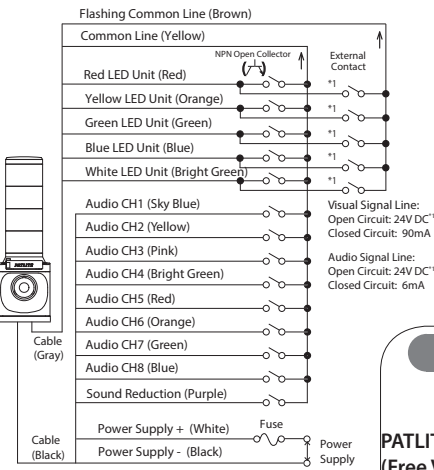
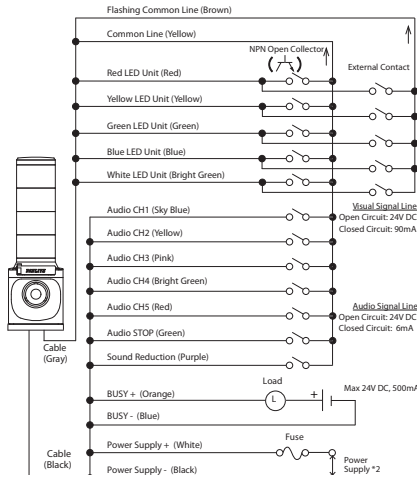
<b>LKEH-402FVUL-RYGB</b>		<b>Color</b>
<b>Model</b>		R: Red
<b>Tiers</b>		Y: Amber
1 - 4		G: Green
<b>Rated Voltage</b>		B: Blue
02: DC 24V		C: Clear/White
10: AC 100V		(Top to bottom)
20: AC 220V		
	<b>UL Conformity</b>	
	None: No Conformity	
	UL: UL Standard	
	<b>Sound Type</b>	
	FV: Voice Synthesizer	
	FA: Type A	
	FC: Type C	
	FD: Type D	
	FE: Type E	



### Use of Copyrighted Material

PATLITE Corporation has not applied for permission to use certain copyrighted music or songs recorded for Type-A, Type-C and Type-D melody charts outside of Japan. Therefore, please contact the local copyright association for permission before using the product in case this product is used outside of Japan. melody chart Type-E is recommended for use outside of Japan as this playlist does not include copyrighted music or songs, and permission is not required.

# Wiring



# Options

**Wall-mount Bracket SZ-023**  
Bracket Material: Steel  
Cover Material: ABS Resin



## Options

**PATLITE Playlist Editor 2 (Free Version)**

- (OS: Windows® 2000/XP/Vista)
- > The new PATLITE Playlist Editor 2 is required to change the audio message data for this product.
- > The SD Card does not contain the Playlist Editor software or any audio messages.

**SD Card (2 GB) SDV-2GP**



# Sound Charts

Type A		(Japan Only)	
Beep (slow intermittent)	Stutter (rapid intermittent)	Bell (clear high-pitch)	Yelp (rapid siren)
Rapid HI-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter + Bell	Synthesized Melody Chime	Chime	Call Sign
Fur Elise	Maiden's Prayer	Bach Minuet in Gmaj	Annie Laurie
London Bridge is falling down	Hol-di-ri-Dia	Mary had a little Lamb	Camptown Races
Cuckoo Song	Village Blacksmith	On the Bridge of Avignon	Daydream Believer
Amaryllis	Mozart Symphony No. 40	Quiet Lakeside	Ich bin ein Musikante
Spanish Romance	Katytusha	Grandfather's Clock	Ave Maria

Type D		(Japan Only)	
Beep (slow intermittent)	Stutter (rapid intermittent)	Bell (clear high-pitch)	Yelp (rapid siren)
Rapid HI-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Runner	Mamotte Agetai	Chime	Call Sign
Iribiao Kikinagara	September	Doyoubino Koibito	Akino Kehai
Saafu Tengoku Sukii Tengoku	Iro White-blend	Happy Birthday	Hi Ho
I've been working on the Railroad	The Bear Song	Toys Go "Cha-cha-cha"	Konnako Irukana
Schubert's Lullaby	Rudolph the red-nosed Reindeer	She Wore a Yellow Ribbon	My Darling, Clementine
Yellow Rose of Texas	Yankee Doodle	When the Saints Go Marching In	Londonderry Air

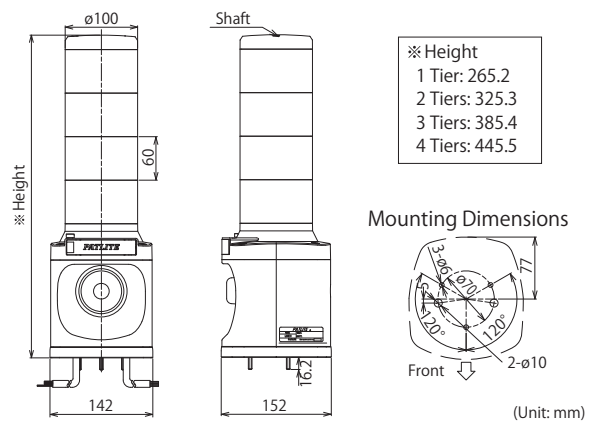
Type C		(Japan Only)	
Beep (slow intermittent)	Stutter (rapid intermittent)	Bell (clear high-pitch)	Yelp (rapid siren)
Rapid HI-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter + Bell	Synthesized Melody Chime	Chime	Call Sign
Can't take my eyes off of you	Top of the World	The Entertainer	Amazing Grace
Amairono Kamino Otome	Les Champs-Elysees	Canon	Rara Sunshine
Uchuusenkan Yamamoto	Oshiete	Makenaide	Gonna Fly Now (Theme from "Rocky")
I don't Wanna Miss a Thing	Yozorano Mukou	Aiwa Katsu	Haruyo Koi
Gattsudaze	Odoru Ponpokorin	Imasugu Kisu Mi	Truth

Type E		(Worldwide)	
Beep (slow intermittent)	Stutter + Bell	Inverted Reveille	Annie Laurie
Stutter (rapid intermittent)	Melody Chime	Galactic Motor	London Bridge is falling down
Bell (clear high-pitch)	Chime	Ringing Phone	Mary had a little Lamb
Yelp (rapid siren)	Call Sign	Two Tone	Camptown Races
Rapid HI-Lo	Train Ride	Alarm Clock	Amaryllis
Melody Chime	Galloping HI-Lo	Ringing HI-Lo	Mozart Symphony No. 40
Synthesized Piano	Alien Chatter	Fur Elise	Ave Maria
Synthesized Bell	Falling Crystals	Bach Minuet in Gmaj	Grandfather's Clock

# Specifications

Model	Rated Voltage	Operating Voltage Range	Number of Tiers	Power Consumption	Mass
LKEH- 102F	DC 24V	DC 24V ±10%	1	10.6W	1.4kg
LKEH- 202F			2	12.4W	1.6kg
LKEH- 302F			3	14.2W	1.8kg
LKEH- 402F			4	16.0W	2.0kg
LKEH- 110F	AC 100V	AC 100V ±10%	1	17.0W	2.1kg
LKEH- 210F			2	20.0W	2.3kg
LKEH- 310F			3	23.0W	2.5kg
LKEH- 410F			4	26.0W	2.7kg
LKEH- 120F	AC 220V	AC 220V ±10%	1	17.0W	2.1kg
LKEH- 220F			2	20.0W	2.3kg
LKEH- 320F			3	23.0W	2.5kg
LKEH- 420F			4	26.0W	2.7kg

# Dimensions



(Note) The sound pressure level is based on measurements under controlled conditions (voice-synthesized 1 kHz sine wave played back from a distance of 1 meter), therefore the surrounding environmental conditions and message content will result in different values for the sound pressure level.

※) Even when starting two or more units simultaneously, a lag will occur during message playback.

Buy: [www.ValinOnline.com](http://www.ValinOnline.com) | Phone: 844-385-3099 | Email: [CustomerService@valin.com](mailto:CustomerService@valin.com)