

# LKEH



## MP3 compatible annunciator with LED Signal Tower



24V Type

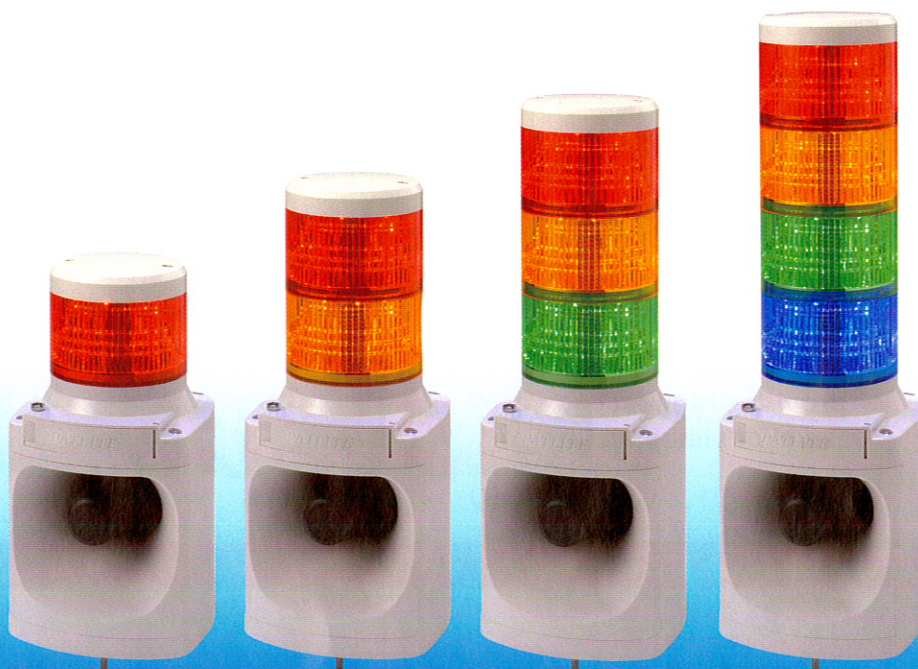
**105dB at 1m\***

**MP3** (LKEH-FV)

**32 Sounds**  
(LKEH-FD)

**IP53**

**NPN**  
**Open Collector**



\*Actual sound level may vary depending on sound type.

## Get the attention you need with PATLITE's Field Programmable LKEH series signal tower with audible alarm hybrid unit.

- Visible from great distance with ultra bright LEDs and 100mm diameter lens.
- Safe for use at high vibration environment with robust 2G vibration resistant design.
- Easy to control with only one common wire for both LEDs and audible signals.
- CE, RoHS, IP53, (UL, c-UL pending).
- Field programmable with SD card. (Sold separately) (LKEH-FV)  
Message capacity is up to 64 seconds (64kbit/s) with 5 channels by a bit input and 31 channels by binary input.
- Volume is adjustable from 0 to 105dB (at 1m) to fit various environments.
- Smooth LED lens surface.

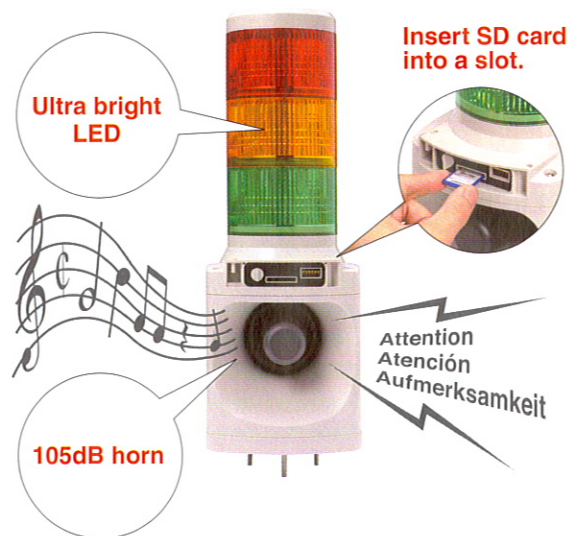
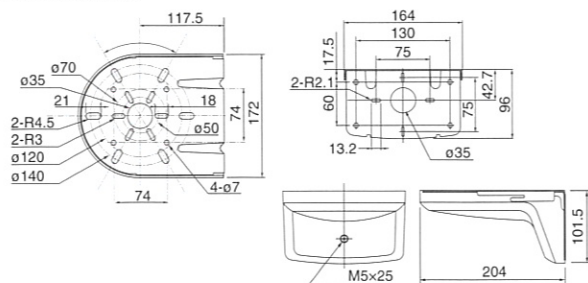
### Available by Special Order

- PNP open collector transistor type.

### Optional Parts

Wall mount bracket  
SZ-023

Bracket: steel (powder coating)  
Bracket cover: AES resin





# Voice Synthesizer (LKEH-FV)

- Total recording time of up to 64 seconds (64kbit/s) can be divided up to 5 channels with a bit input, or 31 channels with binary input.

## 32 sounds are pre-recorded in one unit (LKEH-FA/FC/FD/FE)

- 32 sounds are pre-recorded in one unit. 4 sound types are available.
- 8 sounds can be played back by a bit input, and 32 sounds by binary input.



T-06B0152  
T-0710139  
T-0710140

### Type A

Beep (slow intermittent horn)	Stutter (rapid intermittent horn)	Bell (clear high pitched bell)	Yelp (rapid siren)
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter (rapid intermittent horn) Bell (clear high pitched bell)	Synthesized Melody Chime	Chime	Call sign
Fur Elise	Maiden's Prayer	Minuet	Annie Laurie
London Bridge is Falling Down	Holdiridia	Mary Had a Little Lamb	Campdown Races
Kuck kuck	Der Schmied im Walde	On the Bridge of Avignon	Daydream Believer
Amaryllis	Mozart Symphony No. 40	Itsy Bitsy Spider	Ich bin ein Musikante
Jeux Interdits	Katuscha	Grandfather's Clock	Ave Maria

### Type C

Beep (slow intermittent horn)	Stutter (rapid intermittent horn)	Bell (clear high pitched bell)	Yelp (rapid siren)
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter (rapid intermittent horn) Bell (clear high pitched 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 Sanshain
Uchuusenkan Yamato	Oshiete	Makenaide	Gonna Fly Now (Theme for 'Rocky')
I Don't Want to Miss a Thing	Yozorano Mukou	Aiwa Katsu	Haruyo Koi
Gattsudaze	Odoru Ponpokorin	Imasugu Kisu Mi	Truth

### Type D

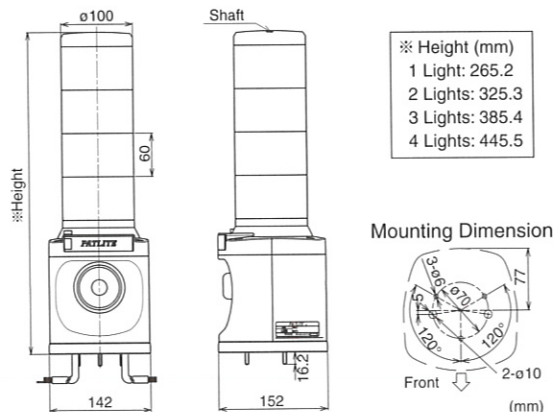
Beep (slow intermittent horn)	Stutter (rapid intermittent horn)	Bell (clear high pitched bell)	Yelp (rapid siren)
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Runner	Mamotte Agetai	Chime	Call sign
Oribiao Kikinagara	A September	Doyoubino Koibito	Akino Kehai
Saafu Tengoku Sukii Tengoku	Iro Howaitoburendo	Happy Birthday	Hi Ho
I've been working on the Railroad	Bear Song	Toys Go Cha Cha Cha	Konnako Irukana
Wiegenlied	Rudolph the Red-nosed Reindeer	She Wore a Yellow Ribbon	Oh My Darling Clementine
Yellow Rose of Texas	Yankee Doodle	When the Saints Go Marching In	Londonderry Air

### Type E

Beep (slow intermittent horn)	Stutter (rapid intermittent horn)	Inverted Recelle	Annie Laurie
Stutter (rapid intermittent horn)	Synthesized Melody Chime	Galactic Motor	London Bridge is Falling Down
Bell (clear high pitched bell)	Chime	Ringin Phone	Mary Had a Little Lamb
Yelp (rapid siren)	Call Sign	Two Tone	Campdown Races
Rapid Hi-Lo	Train Ride	Alarm Clock	Amaryllis
Melody Chime	Galloping Hi-Lo	Ringin Hi-Lo	Mozart Symphony No.40
Synthesized Piano	Alien Chatter	Fur Elise	Ave Maria
Synthesized Bell	Falling Crystals	Minuet in G	Grandfather's Clock

PATLITE Corporation has not applied for permission to use certain copyrighted music or songs recorded in LKEH-FA, FC and FD types 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. LKEH-FE type is recommended for use outside of Japan as this model does not include copyrighted music or songs, and the permission is not require.

## Dimensions



## How to Order

LKEH-402FV-RYGB			
Model		Color	
Stack		R: Red	
		Y: Amber	
		G: Green	
		B: Blue	
		C: Clear/White	
		Top to bottom	
Rated Voltage		Type	
02: 24V DC		FV: Voice Synthesizer	
10: 100V AC		FA, FC, FD, FE: 32 sounds	
20: 220V AC			

Note: See page 174 for wiring diagram

## LKEH-FV Type

60 flashes per minute						
	Model	Rated Voltage	Voltage Range	Number of stacks	Power Consumption	Mass
Voice Type	LKEH-102FV	24V DC	24V DC $\pm$ 10%	1	14W	1.8kg
	LKEH-202FV			2	16W	2.0kg
	LKEH-302FV			3	18W	2.2kg
	LKEH-402FV			4	20W	2.4kg
	LKEH-110FV	100V AC	100V AC $\pm$ 10%	1	17W	2.5kg
	LKEH-210FV			2	20W	2.7kg
	LKEH-310FV			3	23W	2.9kg
	LKEH-410FV			4	26W	3.1kg
	LKEH-120FV	220V AC	220V AC $\pm$ 10%	1	17W	2.5kg
	LKEH-220FV			2	20W	2.7kg
	LKEH-320FV			3	23W	2.9kg
	LKEH-420FV			4	26W	3.1kg

## LKEH-F□ Type

60 flashes per minute						
	Model	Rated Voltage	Voltage Range	Number of stacks	Power Consumption	Mass
Sound Type	LKEH-102FA/FC/FD/FE	24V DC	24V DC $\pm$ 10%	1	10.6W	1.8kg
	LKEH-202FA/FC/FD/FE			2	12.4W	2.0kg
	LKEH-302FA/FC/FD/FE			3	14.2W	2.2kg
	LKEH-402FA/FC/FD/FE			4	16W	2.4kg
	LKEH-110FA/FC/FD/FE	100V AC	100V AC $\pm$ 10%	1	17W	2.5kg
	LKEH-210FA/FC/FD/FE			2	20W	2.7kg
	LKEH-310FA/FC/FD/FE			3	23W	2.9kg
	LKEH-410FA/FC/FD/FE			4	26W	3.1kg
	LKEH-120FA/FC/FD/FE	220V AC	220V AC $\pm$ 10%	1	17W	2.5kg
	LKEH-220FA/FC/FD/FE			2	20W	2.7kg
	LKEH-320FA/FC/FD/FE			3	23W	2.9kg
	LKEH-420FA/FC/FD/FE			4	26W	3.1kg