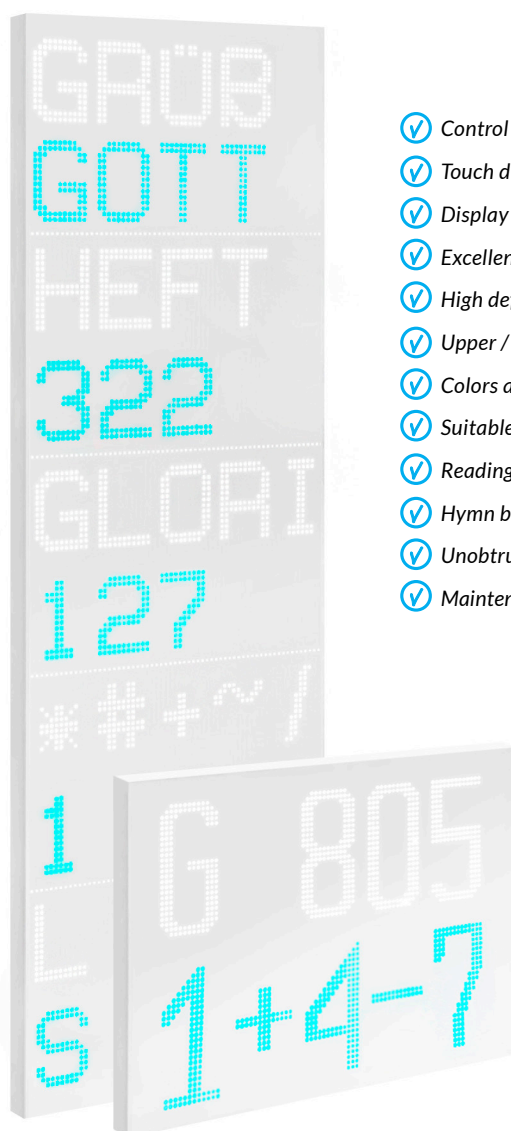


Instruction manual

HYMN-1-E / HYMN-5-E

LED hymn boards with input device
(2- / 10-line)



- ✓ Control via input device
- ✓ Touch display in an elegant housing
- ✓ Display run through BEFORE the service
- ✓ Excellent legibility
- ✓ High definition LED matrix
- ✓ Upper / lower case and special characters
- ✓ Colors adjustable
- ✓ Suitable for listed buildings (tripod solution)
- ✓ Reading distance available from 15m to 70m
- ✓ Hymn board housing / front: PURE WHITE
- ✓ Unobtrusive, flat design
- ✓ Maintenance-free: NO additional costs



Made in EU



LED matrix
Input device
Various colours
2 or 10 lines

ENGLISH

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DOC-200224

GENERAL INFORMATION

Dear Customer,

We are pleased that you have decided to use our hymn board model „HYMN-1-E“ or „HYMN-5-E“ with input device.

During development and production, we have set ourselves the goal of being able to provide the user with an innovative, modern and yet user-friendly display system.

By using the highest quality components, sophisticated assembly techniques and field-tested tablets, we guarantee trouble-free, long-term use at the highest level.

Our product was developed according to the strictest quality criteria and meets all common standards.

We hope you enjoy using our product and are happy to answer any questions you may have about the hymn board.

IMPORTANT SAFETY INSTRUCTIONS

1. Please note the safety instructions and study these instructions carefully
2. Our system establishes its own wireless connection from the input device to the hymn board. You do NOT need WiFi on site. Thanks to the direct wireless connection from the input device to the hymn board, you have almost unlimited freedom of movement in the church room.
3. Keep all notices and instructions
4. Only use the device in the manner intended
5. Observe the disposal laws applicable in your country; Please separate plastic and paper or cardboard boxes when disposing of them
6. If your device no longer works properly, has been exposed to liquids or has been damaged in any other way, leave any type of repairs to authorized specialists only
7. Keep the hymn board and all components away from sources of heat and moisture
8. Check all power source connections - DO NOT use defective outlets, cords or connectors
9. Only use the mounting material that we have supplied. If lost, please feel free to contact us; we expressly point out that the use of other fastening materials for wall brackets or tripod brackets can damage the HYMN-1-E / HYMN-5-E. In this case, the warranty claim expires
10. Please check all components for completeness and possible damage immediately after receipt of the delivery

SCOPE OF DELIVERY

- LED display(s) (according to your order)
- Power pack for power supply
- Wall mount with mounting kit (tripod mount optionally available)
- Operation manual
- Input device

WARRANTY CONDITIONS

The statutory guarantee conditions apply.

Only use the components supplied by us.

Power supplies with incorrect voltage rating can cause damage to the display, for which we do not guarantee take over. If, contrary to expectations, you have a problem, we will help you quickly and unbureaucratically. Please contact us as soon as possible so that we can arrange everything else for you. The warranty claim also expires in the event of improper repairs by non-authorized workshops. Proof of purchase (proper invoice from the seller) is required to claim warranty services. The guarantee is provided exclusively for the original purchaser.

POST-GUARANTEE SERVICE

Since the HYMN-1-E / HYMN-5-E model is our own product, we are still at your disposal for adjustments, extensions and service years later.

Accessories such as wall brackets, cables, mains adapters or tripods can be purchased separately in the event of damage or loss.

INSTALLATION

1. HYMN BOARD / LED PANEL



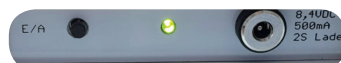
- Mount the Vesa mount in a convenient location where the hymn board can be seen from every seat.
- Fasten the hymn board with the 4 threaded screws provided.
- Plug the barrel connector of the supplied power pack (12~24V DC, 5.5/2.1mm) into the socket provided on the back of the hymn board.
- Now connect the power pack to a power source (socket or optional AKKU power pack)
- Please only use the supplied plugs and cables for this purpose.

INSTALLATION

2. INPUT DEVICE



Turn on - briefly press the E/A button on the side. The „Send“ control LED lights up and automatically deletes all hymn boards when switched on. Your system is now fully operational.

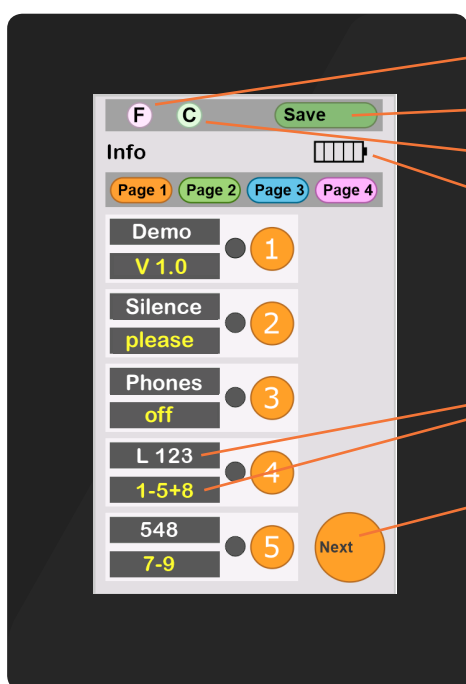


To **turn off** the input device, press the E/A button for more than 2 seconds. Please make sure that your input device is charged regularly. To do this, only use the power supply unit that we have supplied. When the batteries are full, the operating time is approx. 8 hours.

INPUT SOFTWARE

Our system provides a total of 5 memory spaces per page. As soon as you have turned on the input device, you will automatically be taken to page 1 and can start recording.

1. FUNCTION OVERVIEW



Color submenu „F“

Save ALL entries

Basic settings submenu „C“ (CONFIG)

Battery level indicator

Input fields for song numbers / verses or texts

Quick switch to next song number display / verse on the LED display

INPUT SOFTWARE

2. ENTERING THE DISPLAY TEXTS

Via the desired song number field you get to the input mode



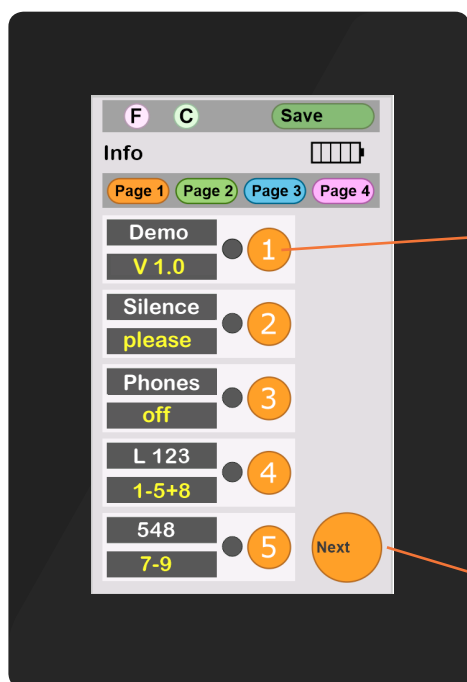
By tapping on the field to the right of „Song“ you show the system that you want to make an entry here. As confirmation you will see that this field is now highlighted in color.

If an older entry is still saved, that you want to change, tap X to delete the line.

Please use the keyboard to enter the 5 digits for the song. Proceed with „Verse“ In the same way.

Once you have completed your entries, press the red „Return (On)“ button. You will then return to the display page.

3. RECALL THE SAVED ENTRY



After entering and SAVING all entries, as described in 3.2 and, if necessary, selecting the color with „F“, you can now send all data to the displays during the service with just one keystroke.

In order to make your entry visible on the hymn board, press the field number of the desired song number / verse (no. 1 in the example figure). The respective field is highlighted in color for confirmation.

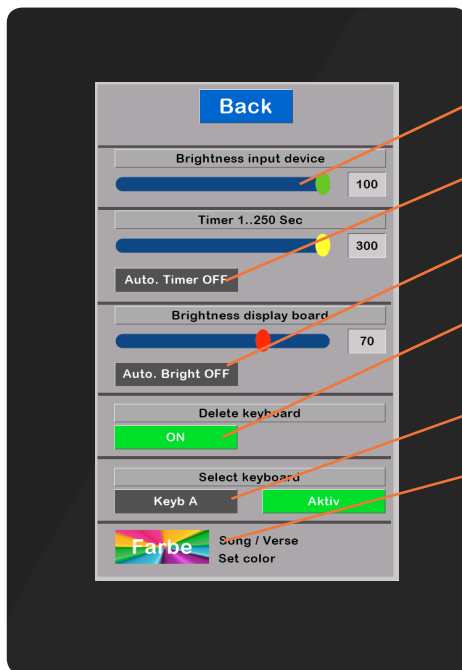


Press „Next“ and the display will automatically jump to the next entry field. The next field is now highlighted in color and the respective entry appears on the display.

INPUT SOFTWARE

Even without direct line of sight to the hymn board, you will know what is being displayed. If you would like to switch off the LED display, simply press the field number and the colored background will off; at the same time, the display on the LED display will off as well. If necessary, you can activate and deactivate the display very easily and quickly without having to switch off the complete system itself.

4. OVERVIEW MENU „C“ / BASIC SETTINGS



Slider for brightness of the touch display;
left 0% to right 100%

Automatic timer ON / OFF; Controls the display time

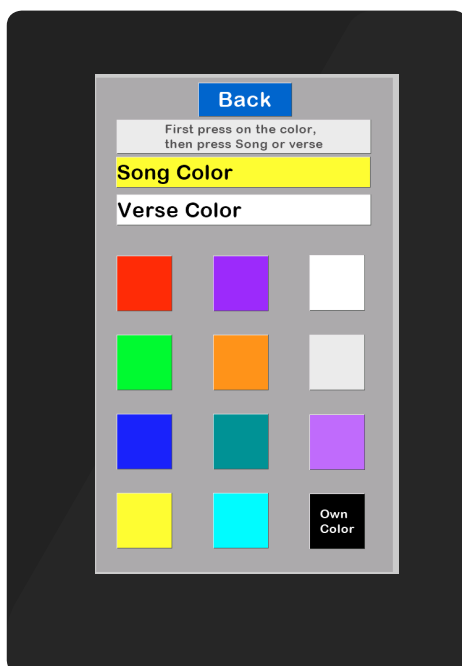
Automatic hymn board display brightness ON / OFF

Delete keyboard ON / OFF

Switch between keyboard A and B (full character set)

Switch to the Color settings submenu „F“

4.1 OVERVIEW MENU „F“ / COLOR SETTINGS



You can choose different colors for the song number and verse. To do this, go to COLOR menu „F“ - as shown in the function overview - and select „Set color“.

To make a color selection, select a color by tapping the box, then tap „Song Color“ or „Verse Color“. You will immediately see the setting on the input device.

„Own Color“ submenu (not on the image):

You can also generate a color yourself. To do this, press „Own Color“ and the respective submenu will open.

In the own color setting submenu you can use the sliders to create a color of your choice. The color is displayed in the preview box above the sliders. Now go BACK and tap „Song Color“ or „Verse Color“. The color you created is now assigned to the corresponding field.

INPUT SOFTWARE

4.2 SETTING THE DISPLAY DURATION (TIMER FUNCTION)

In normal mode, the hymn board continues to display the text you enter until you make a selection, either by song number or „Next“. In addition, the software enables you to generate the display duration via a timer function.

To do this, go to the config SETTINGS menu via „C“.

Using the slider you can select the automatic DISPLAY DURATION, from 1 to 250 seconds.

The song number/verse disappears automatically after the entered time has elapsed.

Here, too, your entry is only permanently recorded when you press „Save“ on the start page.

4.3 BRIGHTNESS OF HYMN BOARD DISPLAY

Your hymn board is equipped with a sensor and automatic brightness adjustment, which regulates itself depending on the incidence of light on the display. In automatic mode, EACH of the displays may adjust itself separately; as soon as you switch to manual brightness control, your entry applies to ALL mounted hymn boards SAME. An individual adjustment to the ambient light is only possible via the automatic function.

Manual setting

To do this, switch the automatic to OFF and move the slider to the RIGHT to higher the brightness or to the LEFT to lower the brightness. To reactivate the internal brightness sensor of the hymn boards, switch the automatic function to OFF.

4.4 BRIGHTNESS OF INPUT DEVICE

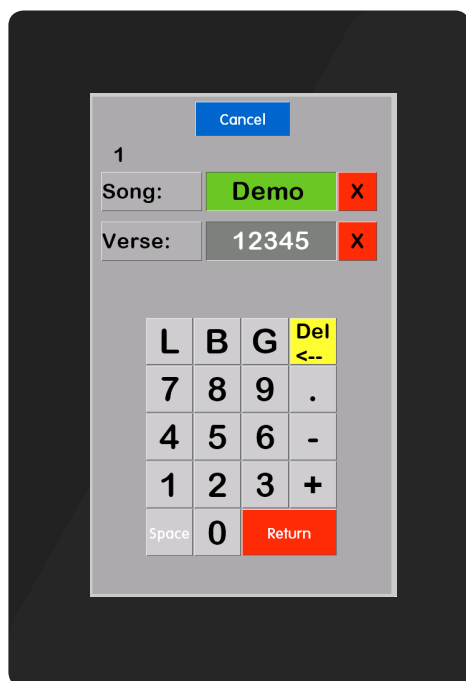
The display of your input device is programmed with a default value. If you want to adjust the brightness to your needs, use the slider RIGHT (darker) or LEFT (brighter). The same applies here – the values are only permanently set for you after you have pressed SAVE on the start page.

4.5 DELETE KEYBOARD

With this function you can simplify the entry of song number / verse. Once you switch to the capture page, the Song and Verse fields will be set to blank. In normal mode you can still see the previous entry, but then you have to empty the field with an X before the new entry can begin.

INPUT SOFTWARE

4.6 CHANGE INPUT KEYBOARD



Our system offers you the possibility to choose between „KEYBOARD A“ with a reduced character set and „KEYBOARD B“ with a full character set.

If you only need the most necessary letters and no special characters, „KEYBOARD A“ is perfect for you.

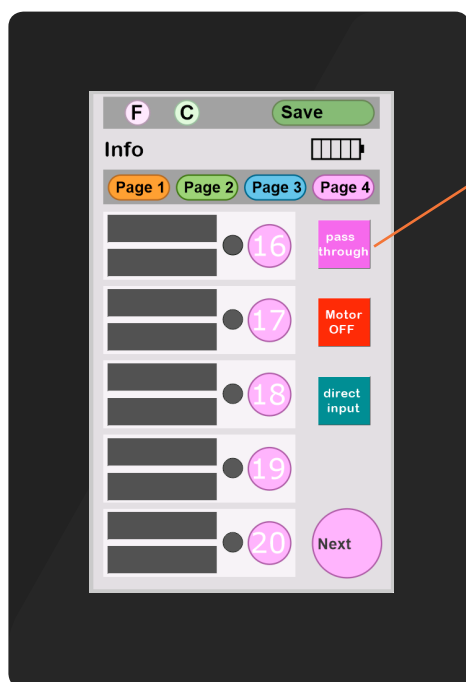


If you need the full character set, upper and lower case with special characters, then please select „KEYBOARD B“.

INPUT SOFTWARE

4.7 RUN-THROUGH FUNCTION

In order to enable the community to prepare the hymns BEFORE the service, enable the run-through function.



The song numbers and verses you have already entered will appear on the hymn board so that the community can prepare for the songs before the service starts.

To start the run through function, go to page 4 on the start page. Here you will find the button „PASS THROUGH“ at the top right.



The input device now switches to a new submenu.

You see what is currently being displayed and you can use the slider to set the display duration (2 sec. to 30 sec.).

Once the service begins, press „STOP PASS THROUGH“.

TECHNICAL DATA

HYMN BOARD / LED MATRIX („HYMN-1“ / „HYMN-5“)

Radio transmitter/receiver	Frequency 868MHz
Wireless range free field	about 200m
Power supply	12~24V DC / 1400....700mA
Plug-in power supply	220-240 VAC (operation with 115 VAC possible on request)
Power consumption / mean value	1000mA/12VDC
Dimension	Depending on the version ordered
Weight	Depending on the version ordered
Character height	Depending on the version ordered
Dot matrix	Depending on the version ordered
Depiction	2 lines (HYMN-1-E) or 10 lines (HYMN-5-E) / 5 characters per line
Display type	Colored design in RGB colors individually adjustable per line via software; Alphanumeric in the full character set of the tablet keyboard
Reading distance	Depending on the version ordered
Brightness control	Manually via software or automatically via the built-in sensor
Timer function	Display duration adjustable via software

INPUT DEVICE („HYMN-E“)

Screen	5" TFT, capacitive touch display
Batteries	8V4 / 3000mAH Li-ion batteries
Operating time with fully charged batteries	> 8 hours
Power consumption	Average 350mA at full display brightness
Equipment	Sending LED, ON / OFF button, Charging socket on the front
Dimensions	HxWxD 190x155x29mm
Weight	approx. 590 g

ERRORS AND FIXES

NO DISPLAY ON THE HYMN BOARD - Possible Causes

- A) The hymn board is not properly connected to a power source.
- B) The supplied power supply unit was not used - ATTENTION !! In this case, the electronics of your hymn board may have been damaged - WARRANTY LOST!!
- C) The reception between the input device and the hymn board is disturbed, reduce the distance to the hymn board and check again if everything is displayed correctly.
- D) Check whether the LED control indicator „SEND“ flashes when you press a number 1-10 or „Next song“.
- E) Also check whether your input device still has enough battery power.

MODELS

HYMN-1 SERIES

- 2 lines
- 2-fold display
- 5 characters per line

L-697
1+3-8

L-697
1+3-8

L-697
1+3-8

L-697
1+3-8

	HYMN-1-180	HYMN-1-140	HYMN-1-100	HYMN-1-70
Type	Main display	Main display	Main display	Choir display
Reading distance	up to 60-70 m	up to 50-55 m	up to 35-40 m	up to 15-20 m
Dimensions (WHD)	60 x 45 x 3 cm	48 x 32 x 3 cm	40 x 30 x 3 cm	32 x 16 x 3 cm
Number of LEDs	6,100	6,100	6,100	3,050
Digit height	180 mm	140 mm	100 mm	70 mm
Lines	2	2	2	2

HYMN-5 SERIES

- 10 lines
- 5-fold display
- 5 characters per line

L 123
1+6-9
981
4-6/8
ABCDE
abcde
Hef t
233
() - / :
< > ! # &

L 123
1+6-9
981
4-6/8
ABCDE
abcde
Hef t
233
() - / :
< > ! # &

L 123
1+6-9
981
4-6+8
ABCDE
233
L 123
1+6-9
981
4-6+8

	HYMN-5-110	HYMN-5-70	HYMN-5-50
Type	Main display	Main display	Main display
Reading distance	up to 35-45 m	up to 20-25 m	up to 12-15 m
Dimensions (WHD)	39 x 102 x 3.5 cm	32 x 96 x 3.5 cm	26 x 53 x 3 cm
Number of LEDs	24,500	12,288	8,000
Digit height	110 mm	70 mm	50 mm
Lines	10	10	10

Our hymn board product range includes many other high-quality products. Here you can see a small excerpt. More information can be found on our website: www.phoenix-pa.com/shop



Disclaimer

The author points out that the representations, explanations, calculations and the like contained in the guideline are only of an exemplary nature. They reflect the current state of knowledge and the current legal situation, but do not claim to be complete.

In view of the complexity of construction projects, the development of individual solutions related to the respective project is essential.

Liability for all descriptions, applications, references and transfers of parts of the guideline or individual information is hereby expressly excluded.

Important instructions

The following applies to all pages of this description:

Subject to technical changes and printing errors.

The illustrations are similar, subject to color deviations.