

Church Clock®

Hymn number and verse number display clocks (2022 RPI system version)

System datasheet, users and installation manual



Index

Church Clock®	1
System datasheet, users and installation manual.....	1
FUNCTION.....	4
NV – Verse display (basic function)	4
The standard type, general properties.....	5
Product codes.....	7
System components	8
DESIGN AND FUNCTION OPTIONS.....	10
1. The decorative frame	10
2. NR – Hymn number display	12
3. CB - Songbook image with color letters on the LED display.....	12
4. LB - Displaying book of hymn by letters on LED display.....	12
5. VW – Verses are White.....	12
6. NTP – absolute precise time display.....	13
7. GPS – absolute precise time display.....	13
TIME SYNCHRONIZATION OPTIONS, TIME SETTING OPTIONS	14
1. Time setting option: manual, with smartphone via web interface. Default.	14
2. Automatic time synchronization option: NTP time server (with internet connection)	15
3. Automatic time synchronization option: GPS Master Clock with satellite antenna	16
CUSTOM, UNIQUE DESIGN	18
REMOTE CONTROL, CHURCH CLOCK REMOTE WEB APP	20
FEATURES:	20
What do you need?	21
QUICK START GUIDE	22
ChurchClock 2022 product family	22
SETUP GUIDE	23
Communication between system components	23
INSTALLATION GUIDE	25
ChurchClock installation.....	25
Installation of MasterANT-GPS outdoor smart antenna (If you ordered a GPS antenna)	27
USER DESCRIPTION.....	29

Access and launch the web app	29
User Log in	31
The menu.....	32
Manage users menu	33
Date and time settings menu	34
CHURCHCLOCK FUNCTIONS	37
Home screen.....	37
Book selection	38
Hymn number setting.....	38
Verse display.....	39
Set the stored intonation	40
Settings	40
Contact manufacturer	41
Error reporting.....	41

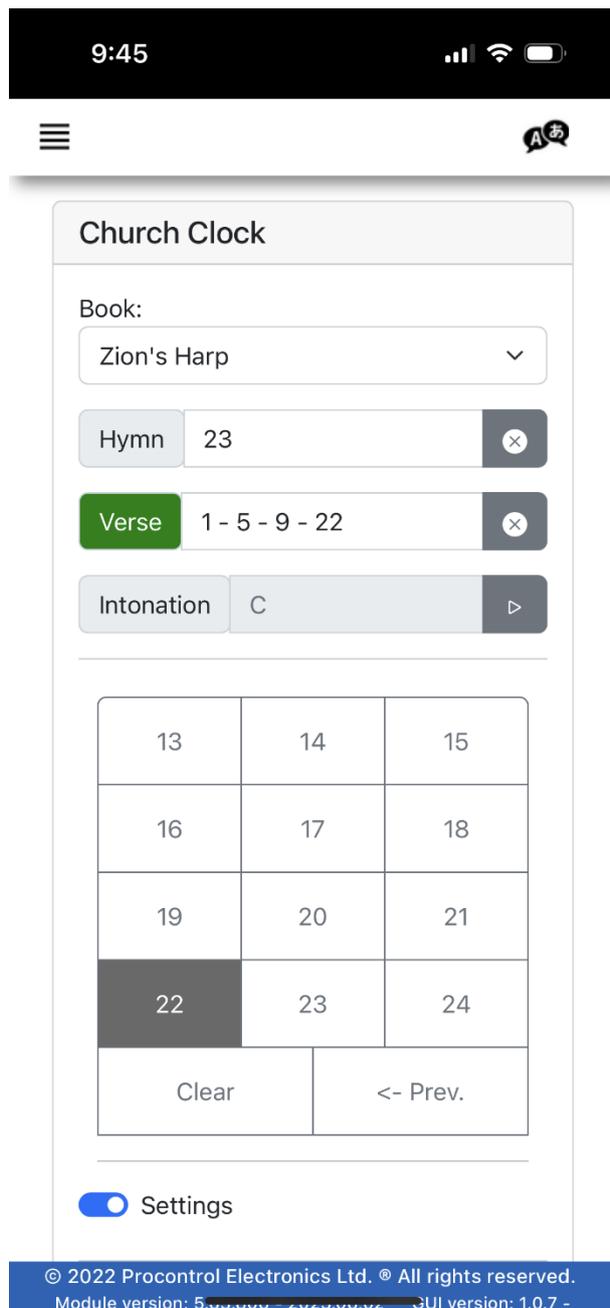
PROCONTROL ELECTRONICS LTD

FUNCTION

CC series special clocks are used in congregational halls and churches.

Besides the highly precise and reliable display of time, they can be used to display the verses (stanzas) and optionally, the number of the requested song.

In addition, you can optionally settle the songbook or even the initial tone of the requested hymn.



NV – Verse display (basic function)



The clocks have a clear simple Arabic clock dial.

By default, nothing appears on the clock, we see the usual simple wall clock, but behind the dial of the wall clock there are 24 bright green LED lamps hidden behind the numbers of the clock. These lamps **indicate the requested hymn verses**.

White clock dial, green LED.

For example, if the first, third, eleventh, and twenty-third verses of a hymn are requested, then the large number one, three, eleven, and the smaller number twenty-three are lit.

The verses glow green.

It displays the number of verses by lighting up the Arabic numbers in green light up to 24 on clock (-NV)

White clock dial, green LED.

Free, default.

The standard type, general properties

Standard is CC50-NV-CM-NTP:

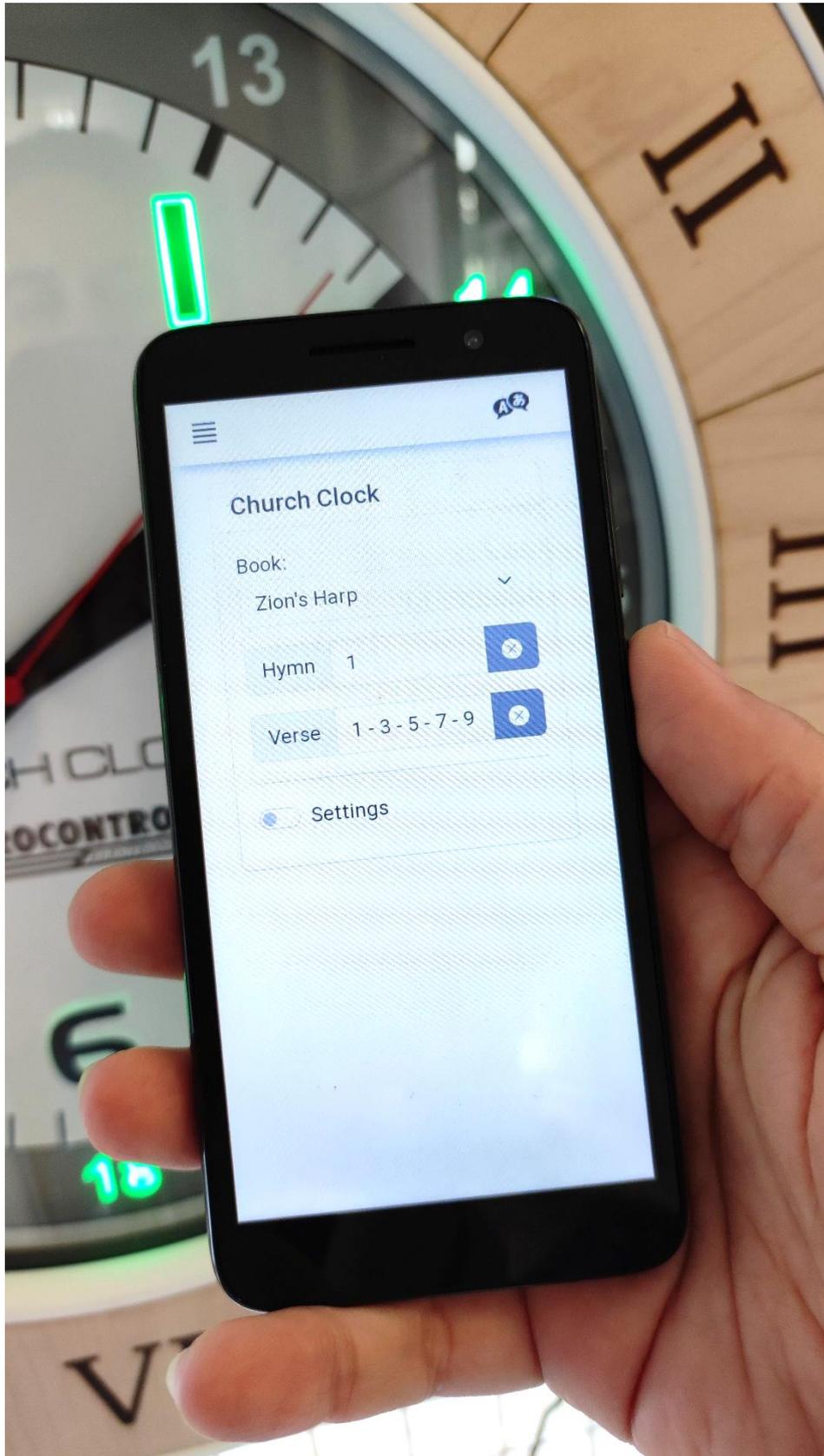
- **CC50:** 500mm diameter size clock, 500 x 86 mm with decorative frame. Clock face 350 mm diameter. (With NR option: 529mm high). See drawing below.
- Electronic clockwork with hour, minute and second hand
- It is installed with IP52 protection class dust-proof indoor casing in a shock-proof steel housing.
- It is made with a safety glass front, RAL9010 matt white 24-hour polyester dial, RAL9005 matte black hour and minute hand, and RAL 3020 red second hand.
- **NV:** 24 LED lights are hidden behind the clock face, marking verse numbers with green backlit on a light clock face
- **CM:** Chrome decorative frame. (Due to their purpose, clocks are usually placed in an ornate, nice environment, so they can be ordered with several exclusive decorative frames. See below.)
- **NTP:** absolutely precise time display, winter/summer time automatic reset is provided via NTP, via internet (-NTP). (Internet connection provided by customer. If no internet available, Church Clocks time can be adjusted manually / via remote control web app.)



(The built-in clockwork is powered by a lithium polymer battery. Therefore, even after the 230V line power supply is discontinued, the hands run "from battery" longer than a conventional wall clock, even for months.

In this mode and with power supply, ChurchClock special functions such as verse display and hymn number display do not work. Line power supply is required to use them.

The lithium polymer battery runs out after months, but recharges after switching it back to 230V power.



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Product codes

Product codes for ChurchClock family:

ChurchClock CC50-NV-NR-CM-NTP

Base model:

CC50: 500mm diameter size clock, 500 x 86 mm with decorative frame

**Optional Church Clock functions
(more can be ordered)**

NV: 24 LED lights are hidden behind the clock face, marking verse numbers with green backlit on a light clock face (default)
NR: (Number) Displaying number of hymn with LED display
CB - Songbook image with color letters on the LED display
LB - Displaying book of hymn by letters on LED display
VW -Verses light up in white, comes with dark clock face.

Frame

CM: Chrome-Metal decorative frame. (default)
GM: (Gold-Metal) high-gloss gold-metal decorative frame
BHW: (Black walnut / Hard maple wood): on a darker-toned American walnut background, bright Canadian maple numbers, real wood inlaid decorative frame
HBW: (Hard maple / Black walnut) on a light-toned Canadian maple background, darker American walnut numbers, real wood inlaid decorative frame

Time server options:

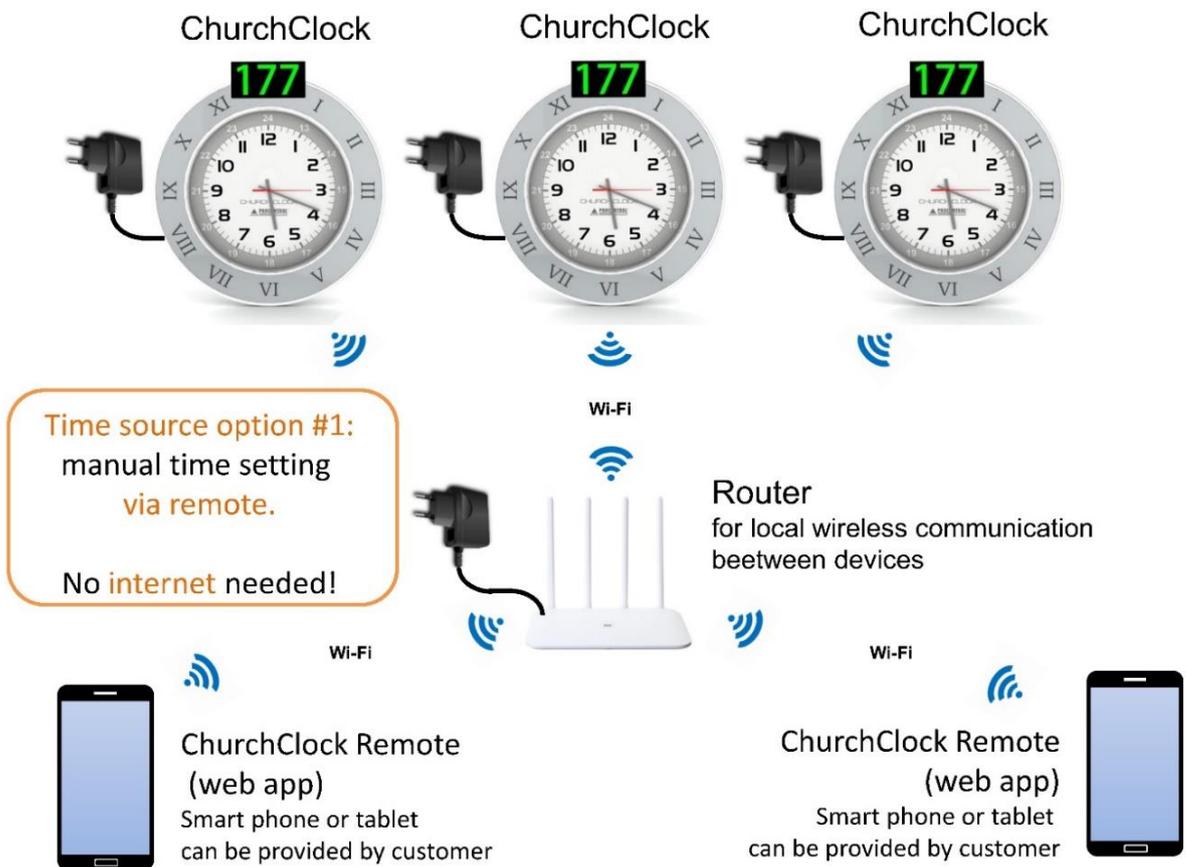
NTP: absolutely precise time display, winter/summer time automatic reset is provided via NTP, via internet. (Internet connection provided by customer. (default)
GPS: absolutely precise time display, winter/summer time automatic reset is provided via GPS antenna, time data from satellites. (GPS antenna needed)

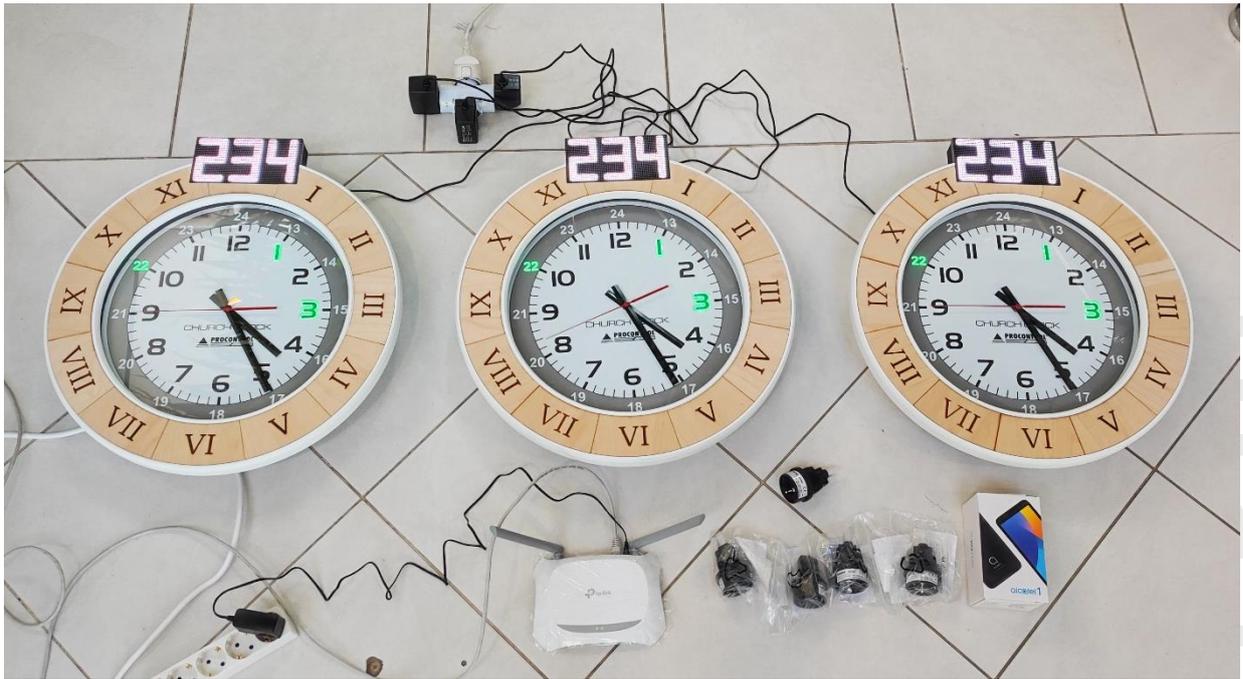
System components

System components:

- CC50 series clock(s)
- Remote control web app
- Smartphone(s), tablet(s) to run the remote control web app (can also be provided by the customer)
- Wi-Fi router for local data connection between the clock and the remote control (can also be provided by the customer)
- 230V plug power supply for the clocks and router (optionally with EU / USA 110V converters)

ChurchClock-Rpi 2022 System





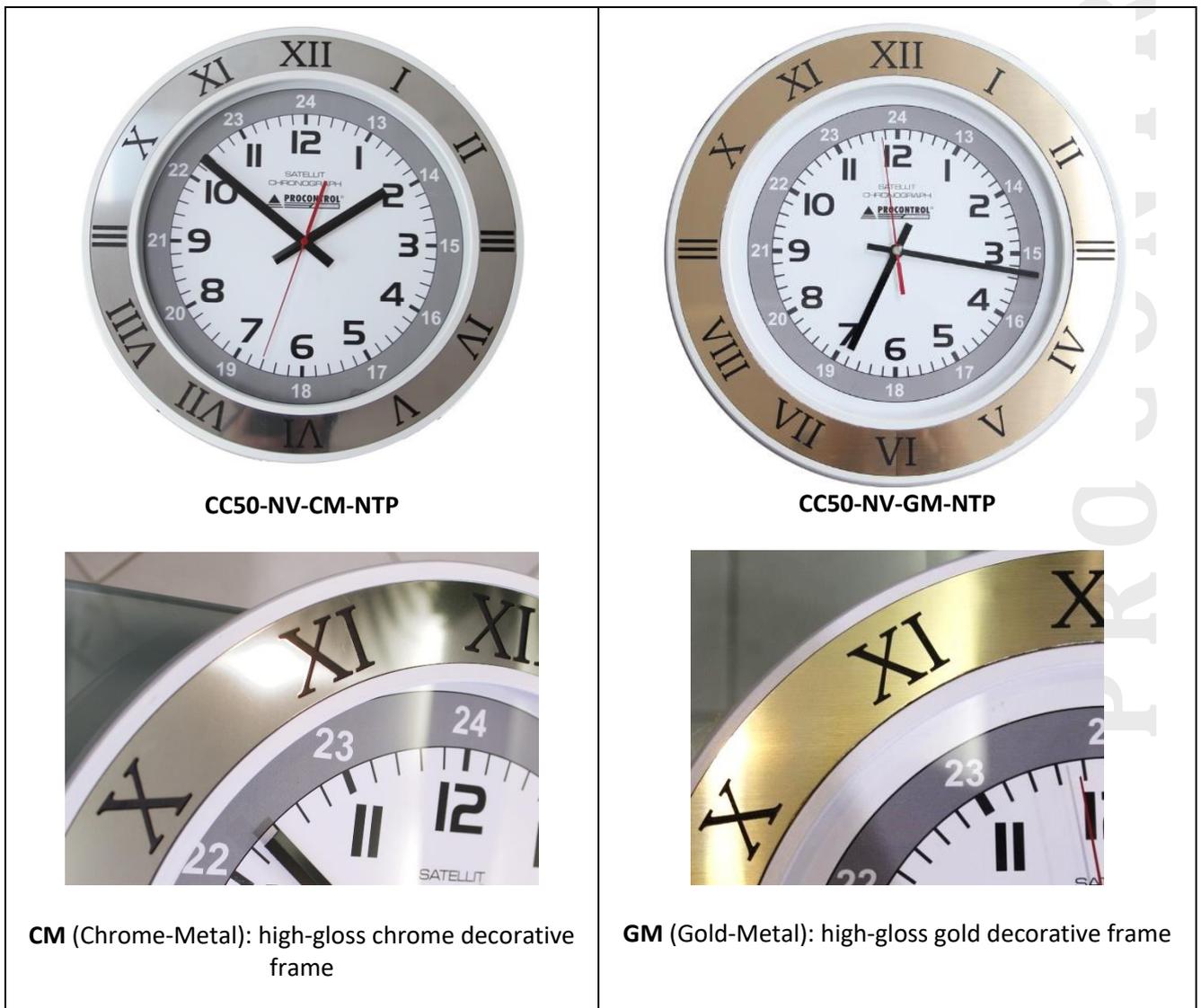
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ELECTRONICS

DESIGN AND FUNCTION OPTIONS

1. The decorative frame

Clocks can be ordered with four types of decorative frames:

- **CM:** (Chrome-Metal) high-gloss chrome-metal decorative frame (default)
- **GM:** (Gold-Metal) high-gloss gold-metal decorative frame
- **BHW:** (Black walnut / Hard maple wood): on a darker-toned American walnut background, bright Canadian maple numbers, real wood inlaid decorative frame
- **HBW:** (Hard maple / Black walnut) on a light-toned Canadian maple background, darker American walnut numbers, real wood inlaid decorative frame





CC50-NV-BHW-NTP



BHW (Black walnut / Hard maple wood): on a darker-toned American walnut background, bright Canadian maple numbers, real wood inlaid decorative frame



CC50-NV-HBW-NTP



HBW (Hard maple / Black walnut): on a light-toned Canadian maple background, darker American walnut numbers, real wood inlaid decorative frame

2. NR – Hymn number display



NR: (Number) Displaying number of hymn with LED display addition (besides number of the verses, which is default). LED matrix display built into the front of the device, displaying numbers from 1 to 999.

The built-in RGB led-matrix display is 80x160 mm with a 2.5 mm grid. The number of chosen hymn is about 70 mm high, this font size can be read from about 21-30 m distance. It is also possible to display the number of hymn on the digital led-matrix display above the dial. This number is only visible when it is turned on. If we do not intend to use it, it is not visible at all. For example, if the display shows the number 20, it indicates the 20th hymn. From the three digits, only as many digits are displayed as required

by the number of the hymn, so e.g. in the case of the 18th hymn, the display does not show 018, but 18.

3. CB - Songbook image with color letters on the LED display

You can distinguish the songbook by the color of the song numbers.

The option is free if you already have the -NR option with digital led-matrix display.

4. LB - Displaying book of hymn by letters on LED display



(Be aware that letters as displayed on picture are about 40 mm high. This letter size can be read from about 12 m.

We suggest that instead of these letters, books can also be given by changing color of the numbers.)

Option is free if you already have -NR option with digital led-matrix display.

5. VW – Verses are White



Verses light up in white, comes with dark clock face.

Displays the numbers of the verses by lighting up the Arabic numbers in WHITE light (instead of default green light on light dial) on DARK clock face from 1 to 24 on the clock. Dark clock face, white LEDs.



6. NTP – absolute precise time display

NTP: absolute precise time display, winter/ summer time automatic reset is provided via NTP, via internet (-NTP).

(Internet connection provided by customer. If no internet available, Church Clocks time can be adjusted manually / via remote control.) For more information, see below.

7. GPS – absolute precise time display

GPS: GPS receiver can be added to the system, in this way automatic time synchronization and winter-summer adjustment can be solved. Time data from satellites. For more information, see below.

TIME SYNCHRONIZATION OPTIONS, TIME SETTING OPTIONS

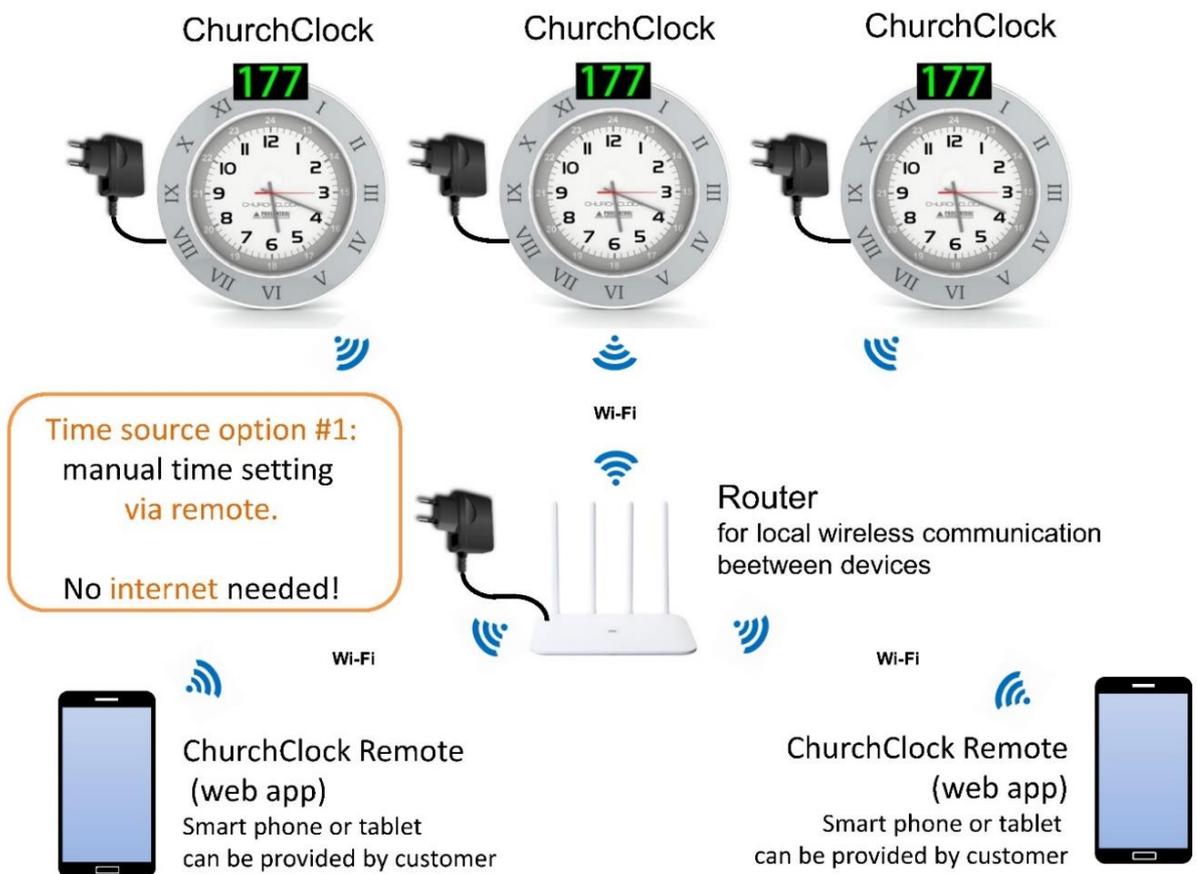
1. Time setting option: manual, with smartphone via web interface. Default.

If there is no internet OR GPS MasterAntenna is not ordered, the time of the ChurchClock can be adjusted manually using the remote control.

What do you need?

Manual time setting requires web app (remote control) and local wi-fi network

ChurchClock-Rpi 2022 System



2. Automatic time synchronization option: NTP time server (with internet connection)

Time synchronization via NTP server.

We can provide time synchronization via internet.

The absolute precise time display and automatic reset of winter/summer time is provided via NTP, via internet.

NTP provides the conventional coordinated world time, a time signal accurate to milliseconds over the Internet, via an Ethernet network. The exact time is synchronized by the clock with an ethernet interface from the NTP server, which automatically ensures that the time shown is always absolutely accurate and that all clocks move exactly together.



NTP
Network Time Protocol
internetes időszerver

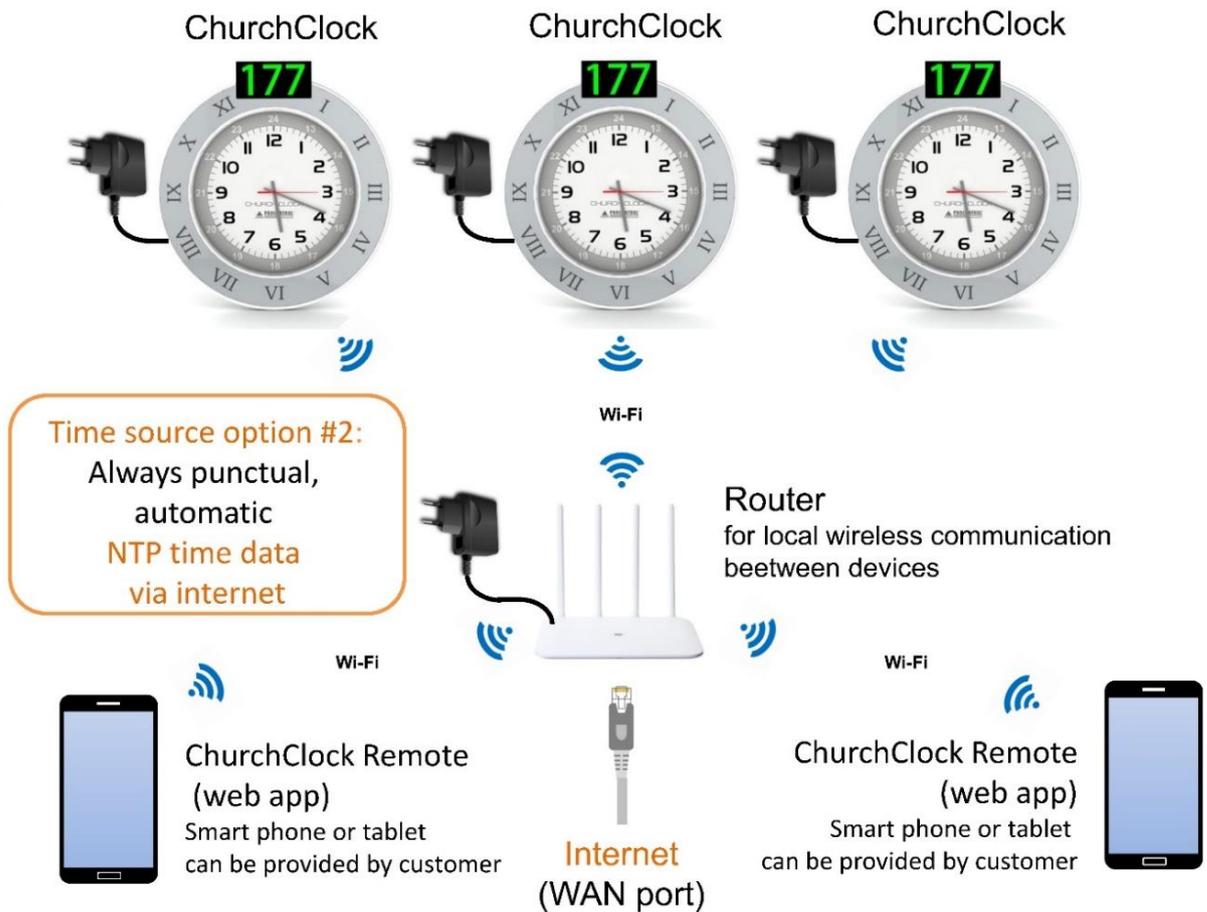
What do you need?

NTP time synchronization requires an Internet connection, provided by the customer. Internet connection must be provided for a Wi-Fi network that connects clocks and web application.

No other devices or tools are required, the standard system includes all necessary elements.

If no internet available, Church Clocks time can be adjusted manually / via remote control.

ChurchClock-Rpi 2022 System

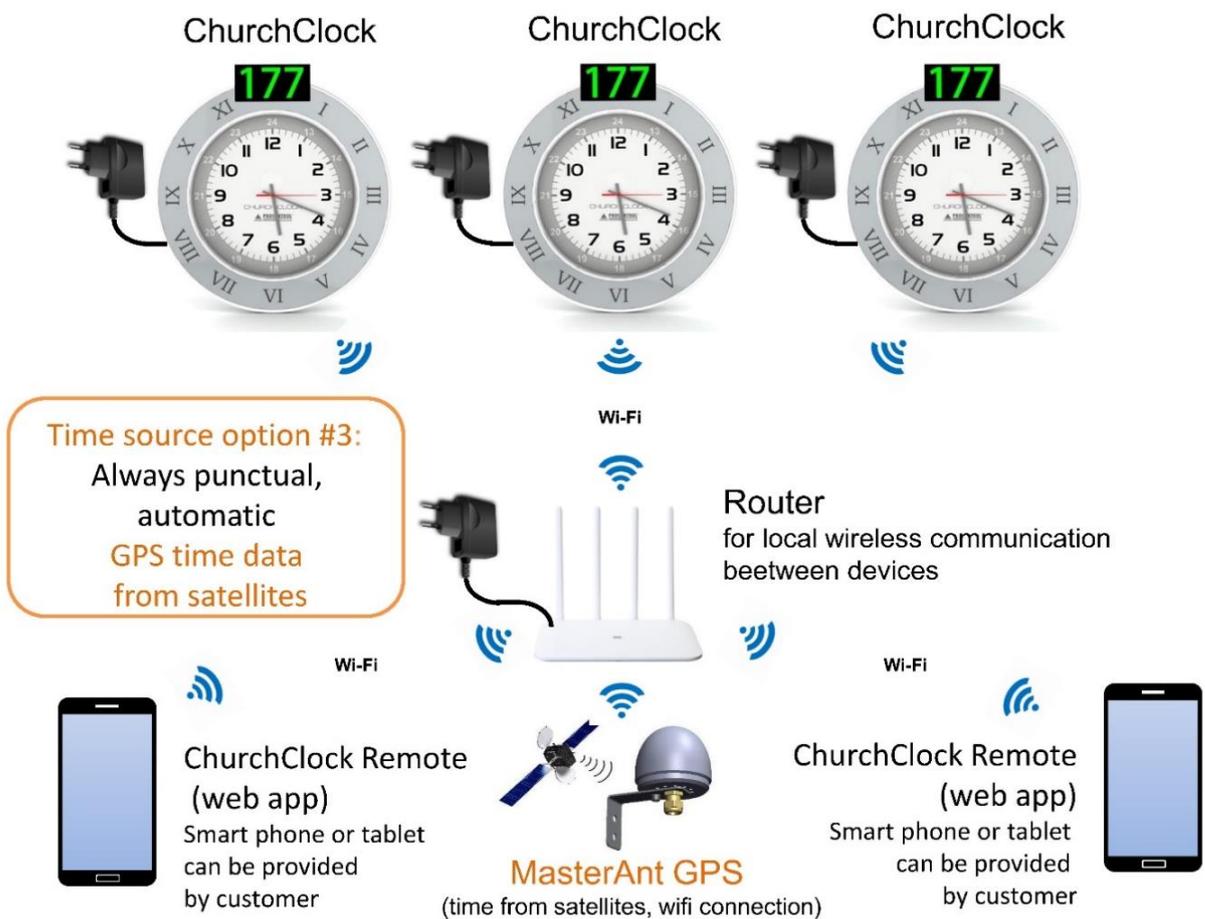


3. Automatic time synchronization option: GPS Master Clock with satellite antenna

Instead of an Internet connection and NTP server time, you can synchronize the absolute precise time from satellites using a GPS antenna. GPS antenna needed.



ChurchClock-Rpi 2022 System



What do you need?

MasterAnt-GPS-NTP-Wifi-W:

GPS master clock with built-in satellite antenna.

Properties:

- Providing NTP server without internet connection.
- Receives the signs of the GPS (Global Positioning System) satellites and transforms them to a highly accurate special time-controller sign.
- It controls all slave clocks, thus all of them show the exact and same time.
- Wifi or Wired Ethernet connection
- Wireless range is 50-60m, above this range cabled connection is needed to wifi router.
- Supply voltage: 5V
- Network adapter included
- It must have a clear view of the open sky. Internal device with external antenna. The external unit must be placed on roof or similar position, wall, window, roof.



If not ordered, Church Clock's time can be adjusted manually / via remote control.

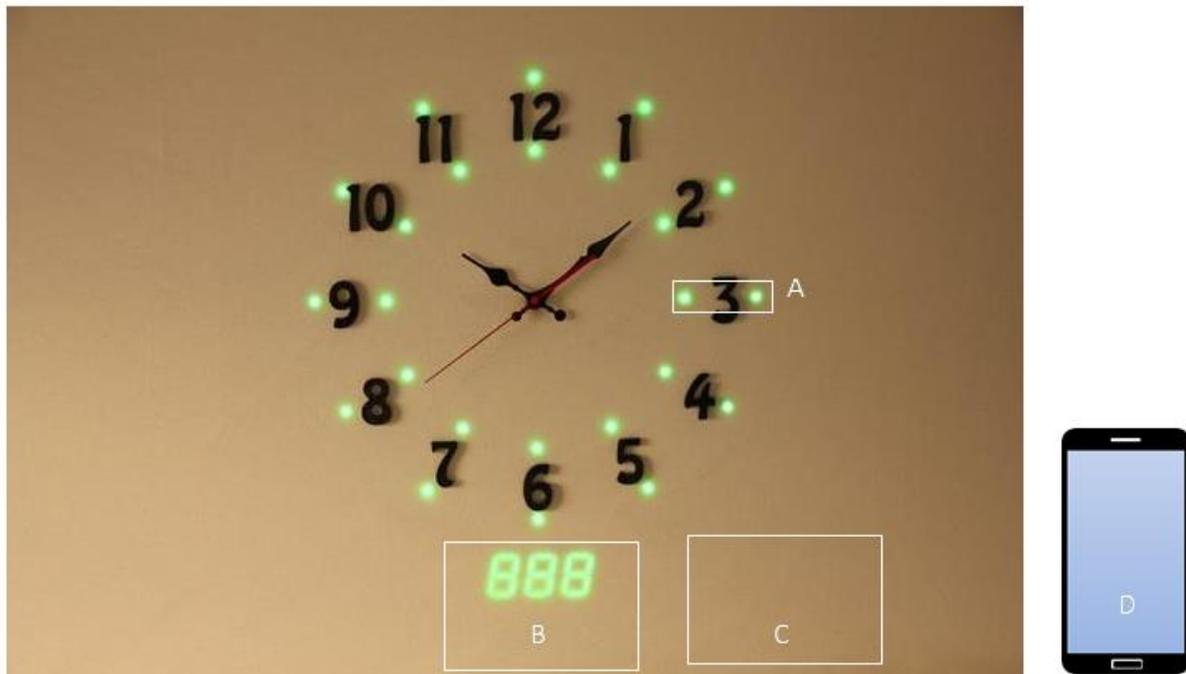
CUSTOM, UNIQUE DESIGN

Custom-designed Church Clock clocks adapted to the interior design concept:
DHWV2 Design fitted to fabric-coated sound-absorbing panels with hidden structure.

In the case of a custom clock with the following design, the clock mechanism with the appropriate hands and digits is placed behind the fabric. In the same way, hymn number and verse displays are placed behind the fabric.

The placement of the hymn number and verse displays to be mounted behind the fabric, as well as the design and installation of the system are in the hands of the customer's technician.





By default, in the case of a custom church clock system, the customer also provides certain system elements:

The Customer provides:

The Customer provides the custom clock behind the fabric with the appropriate hands and digits. It is not related to ChurchClock.

Procontrol provides:

Procontrol provides the measured, ready-assembled modules, which the Customer places behind the fabric in the planned place and installs according to the manufacturer's description.

- A. 12 LED panels with 2 green LEDs each behind the fabric on either side of the numbers
- B. 1 hymn number display panel, which is a larger dot matrix panel considering the size of the room.
- C. 1 x Wi-Fi CPU/controller panel
- D. 1 smartphone as remote control (can also be provided by the Customer)
- E. WEB based software
- F. 1 x power supply to power the above
- G. Wi-fi modem required for the operation of the web application (can also be provided by the Customer)



A different design, assembly and level of cooperation can be ordered. Ask for our offer.

REMOTE CONTROL, CHURCH CLOCK REMOTE WEB APP

The remote control functions of Church Clock systems are performed by the ChurchClock web-based interface. ChurchClocks can be controlled remotely on a web-based interface, e.g. with a smartphone, for larger churches several clocks at a time as well.

The ChurchClock Remote web application can be accessed from any Android or IOS smartphone or tablet.

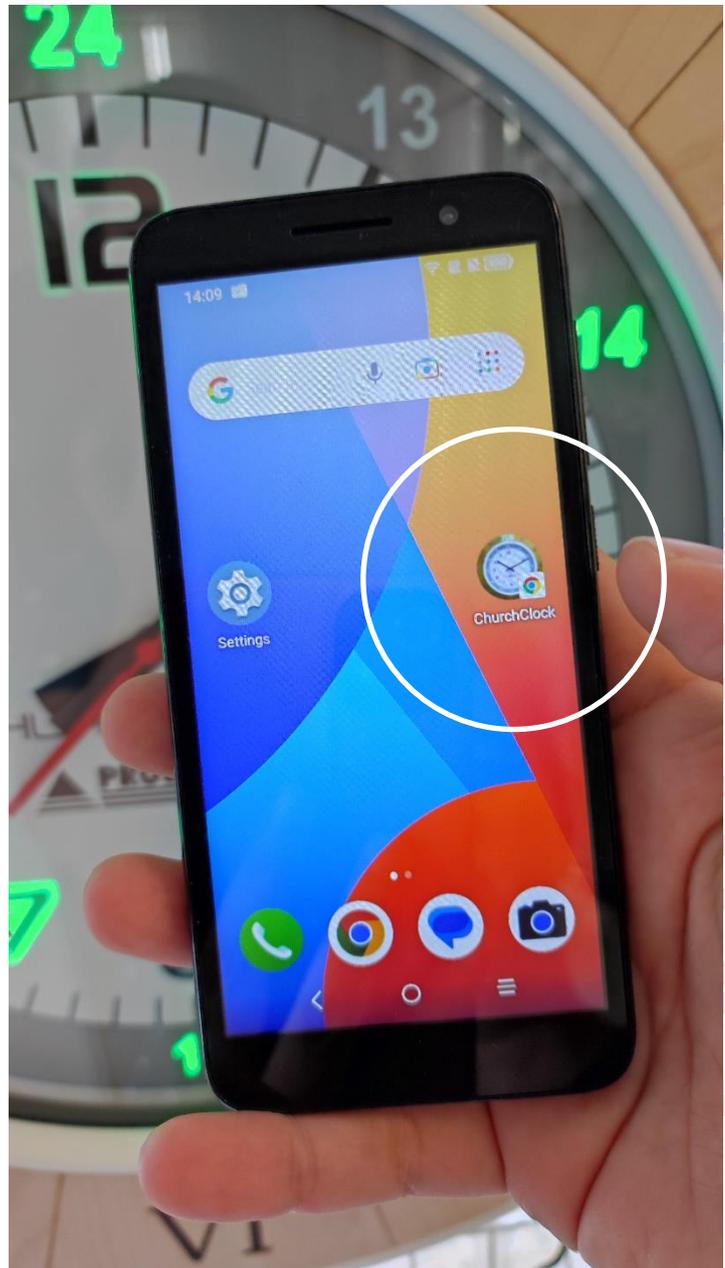
The app communicates with ChurchClock's built-in controller and can be accessed via the wifi network.

The interface is available in Hungarian and English.

FEATURES:

- Displaying verses
- Displaying hymn numbers
- Displaying book of hymn
- Optionally setting the start note using the built-in function of the smartphone.
- Changing the brightness of the hymn number or verse number using the slider.
- You can select or turn off setting start note.

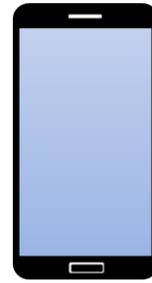
See below for more.



What do you need?

1. Android or IOS smartphone to run ChurchClock Remote web app

We offer an optional smartphone for the system (e.g. Alcatel 1 Android smartphone), but the customer can also provide a smartphone or tablet.



2. Local Wifi (router)

Local wifi access point (router) is **required for remote control operation.**

Function: to provide wireless communication between clocks and remote control(s), no internet required.



According to our system, the clocks work in Client mode and are connected to a router.

The Wi-Fi network, including the router, can also be provided by the customer.

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QUICK START GUIDE

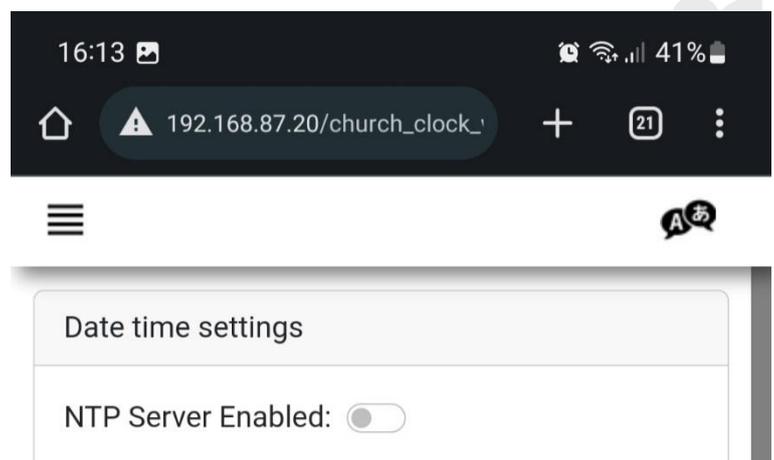
ChurchClock 2022 product family

1. Connect clocks and router to **power supply**
2. The clocks and remote control web app communicate with each other on the local Wi-Fi network, so determine the location of devices so that they are within range of Wi-Fi.
3. Wait 3-10 minutes for the devices and their built-in controls to start up (the web app will only be available after all clocks are turned on.)
3. Then use your smartphone to **connect to the router's wifi connection**. Choosing a Wi-Fi network (Connection details are provided by the manufacturer on a case-by-case project basis and can be read on the sticker on the back of the clocks.)
 - a. SSID: see written on your device
 - b. PASS: see written on your device
4. **Connect to the MASTER clock via web browser**: type the IP address of the Master clock into your browser. All Slave clocks will be imitating MASTER clock. (If you ordered smart phone as a specific remote control device, Procontrol prepares **the ChurchClock web app icon** to connect this IP address automatically)
 - a. **IP address of Master clock: see written on your device**
 - b. IP address of Slave 1 clock: see written on your device (info only needed for maintenance functions, software upgrades)
 - c. IP address of Slave 2 clock: see written on your device (info only needed for maintenance functions, software upgrades)
5. **Log in to the ChurchClock web app interface**
 - a. Default user name: admin.
 - b. Default password: admin.
6. You can start using the system!

(By default, clocks assume that they should wait for NTP time data.)

If you do not want to use NTP time sync, and if you do not provide internet access to the system, you must disable the NTP server function on the clocks:

After logging in, enter the **Date and Time Settings** menu and **switch off** the **NTP Server Enabled** switch, drag the switch to the left to become pale gray. If you turn it off, the fields of **Manual time setting** become available.



SETUP GUIDE

Communication between system components

For multi-clock systems, the clocks are **marked with MASTER or SLAVE title on the back at the bottom.**

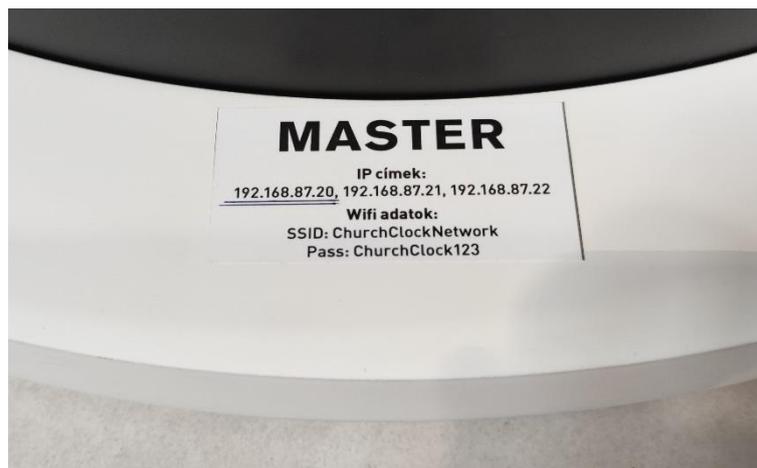
Master: What you set you up on this clock is also given to the Slave clocks and those follow it slavishly.

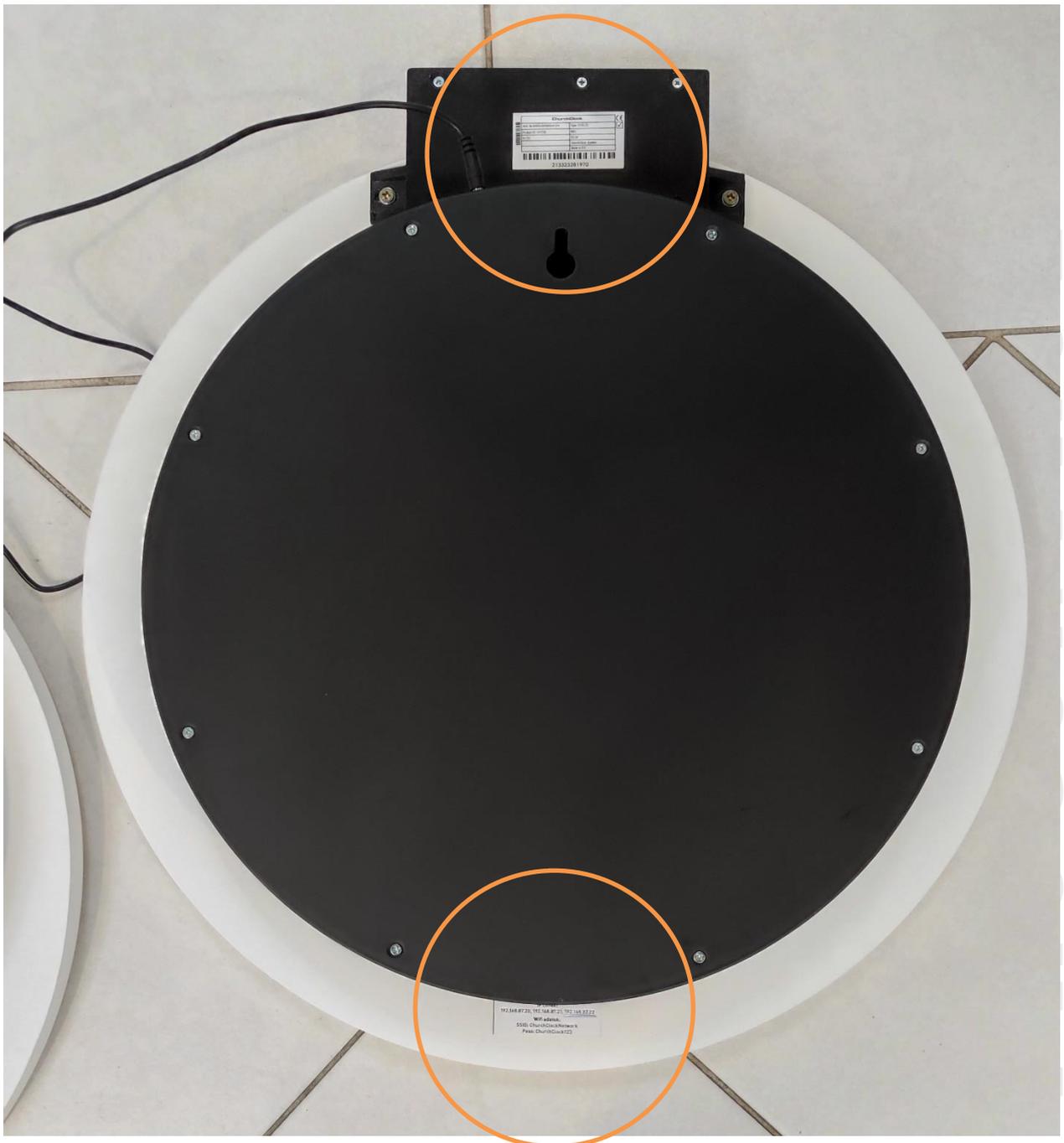
Slave: that is servant clock. They follow the commands sent to the Master clock. (If necessary, e.g. for service purposes, they can be individually controlled using their own IP address.)

ChurchClocks have their own IP address.

The sticker contains the **connection data** of the ChurchClocks that make up the system, the **IP addresses of the ChurchClocks** in your system (the own IP address of the clock is underlined).

If you ordered a Wi-Fi router from the manufacturer to establish data connection, the sticker will also show the **name (SSID) and password (PASS) of the wifi network.**





For service purposes, it may be necessary to inform the service about the serial number of the clock: you can find the 12-digit serial number on the sticker at the top of the back of the clock.

INSTALLATION GUIDE

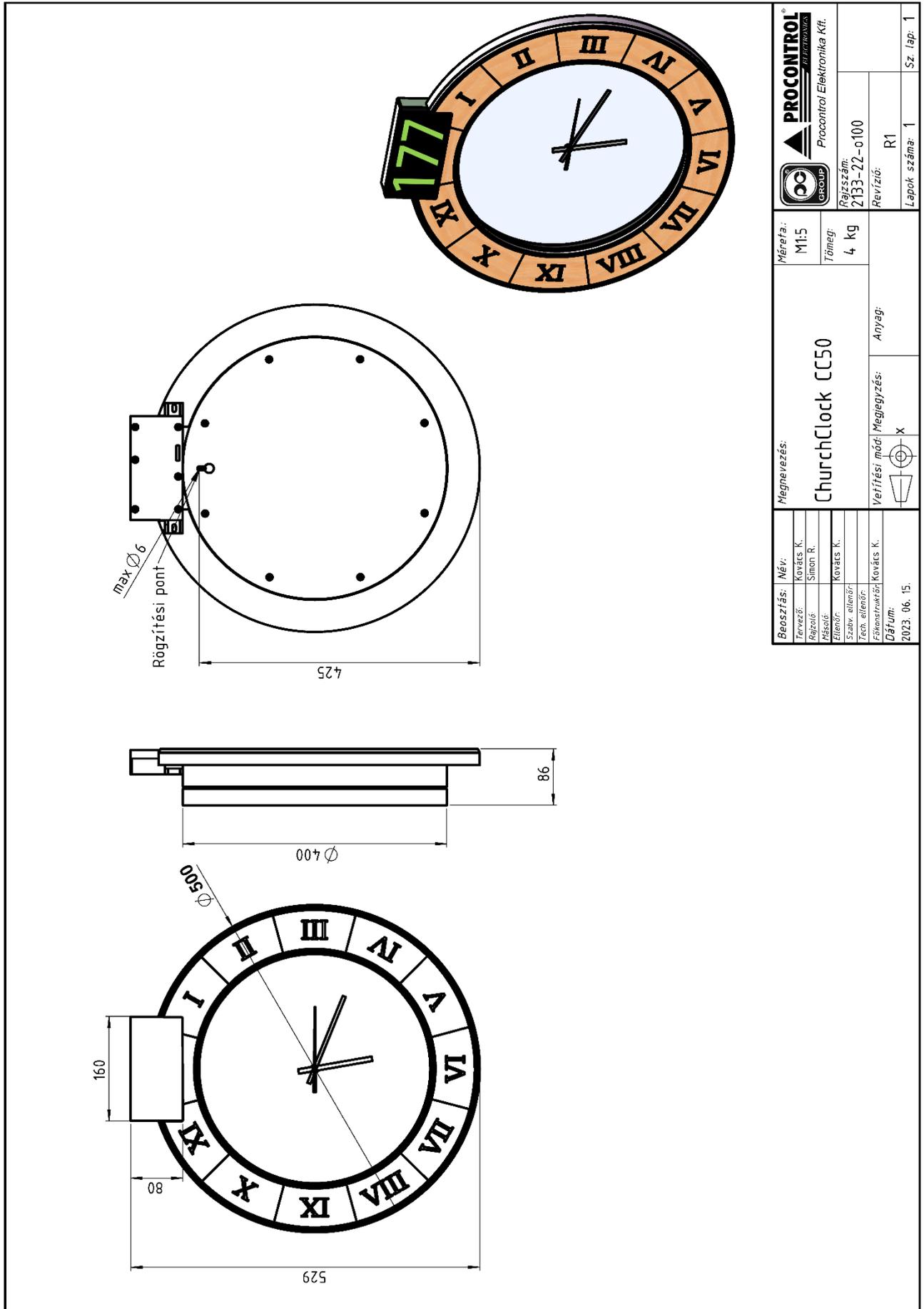
ChurchClock installation

Installation of the **CC50** clock is as simple as possible: you just need to give it power.

You need to run the line power behind the clock, which can be 110V, 127V, 220V, 240V, 50-60Hz. We deliver the system with a power supply with 230V European standard plugs by default. You can request a converter, e.g., for 110V US standard plugs when ordering.

The wire must be connected to the connector on the back of the clock and the clock is hung on a nail.

There is no need to build a wire for a data connection, all data connections are carried out by wireless communication.



		PROCONTROL ELECTRONICS	
Műrész: M15		Tömeg: 4 kg	
Megnevezés: ChurchClock CC50			
Beosztás: Név: Kovács K.		Rajzszám: 2133-22-0100	
Tervező: Kovács K.		Revízió: R1	
Rajzoló: Simon R.		Lapok száma: 1	
Másoló: Kovács K.		Sz. lap: 1	
Ellenőr: Kovács K.		Anyag:	
Tech. ellenőr: Kovács K.		Verifikációs mód:	
Felülvizsgáló: Kovács K.		Megjegyzés:	
Dátum: 2023. 06. 15.		X	

Installation of MasterANT-GPS outdoor smart antenna

(If you ordered a GPS antenna)

The antenna's closed, waterproof housing includes an active GPS antenna and a microcontroller signal processing electronics, that send a standard time telegram to the clocks with its 868 MHz radio transmitter. The LoS range of the transmitter (Line of Sight) is 100 m, which can be significantly smaller inside the building, depending on the material of the building structure.

Fixing mode:

- The antenna is screwed onto top of a 5/4" galvanized pipe holder, the pipe is attached to the rafters with ordinary clamps and rain protection plate, or
- We fix the antenna with its support plate on the facade wall with 2 dowels and screws.

Connection:

a./ In case of internal communication with radio frequency, the antenna only needs to be supplied with 5VDC power supply. We plug the added adapter into a mains socket near the antenna and connect its 5V output wire to the antenna.

b./ In case of wired internal communication, the clock and antenna must be connected by a two-wire cable. This is where communication takes place and the antenna is supplied with power.

Operation control:

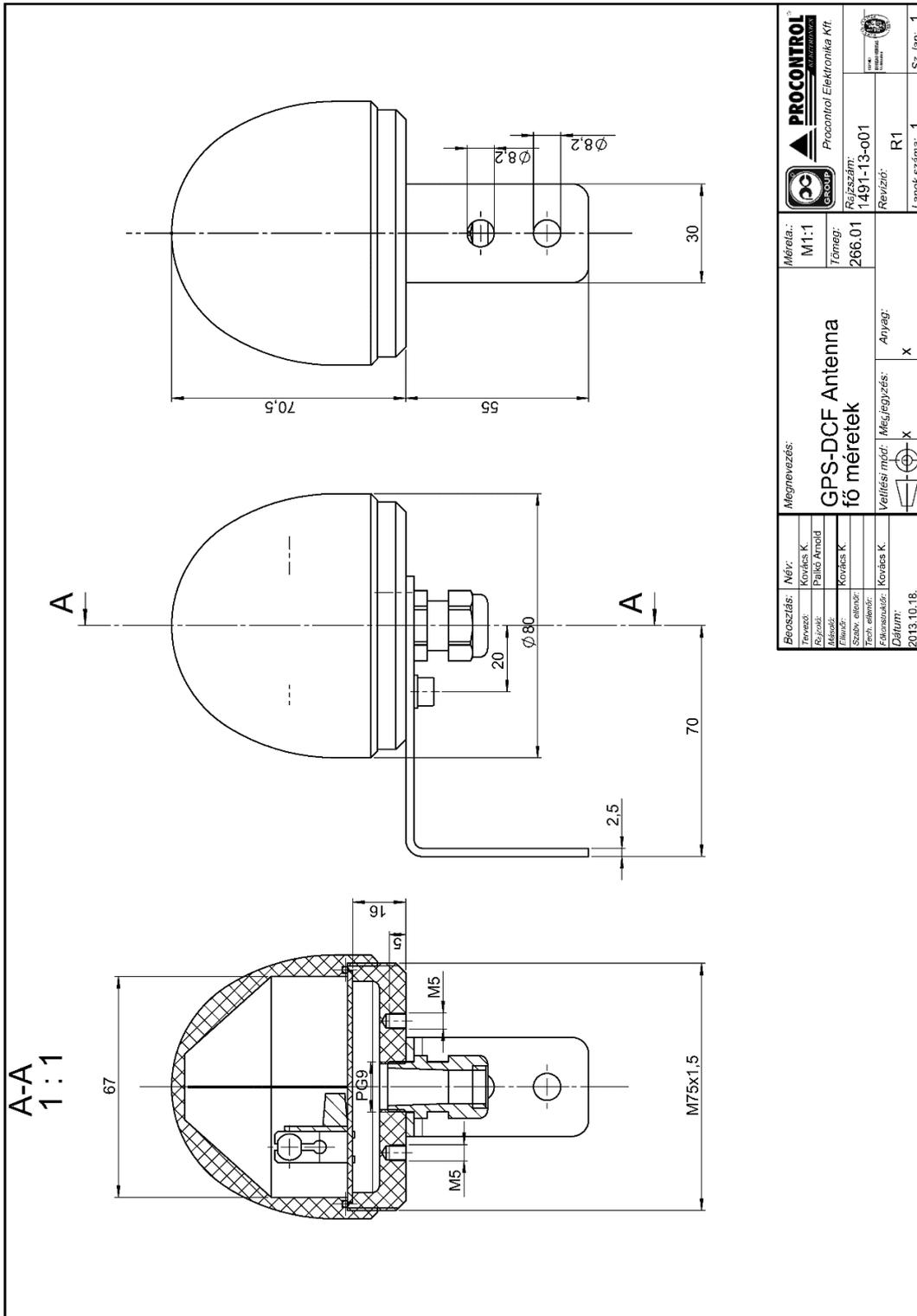
The operation of the GPS receiver is indicated by the blinking of a green LED at the bottom.

Fast flashing: GPS synchronization in progress, GPS time retrieval from satellites.

1 flash per second: successful GPS synchronization, the device has a precise time

1 flash per 5 seconds: the GPS antenna is working, but synchronization with GPS satellites has failed, so the device does not have a precise time to transmit to the clocks.





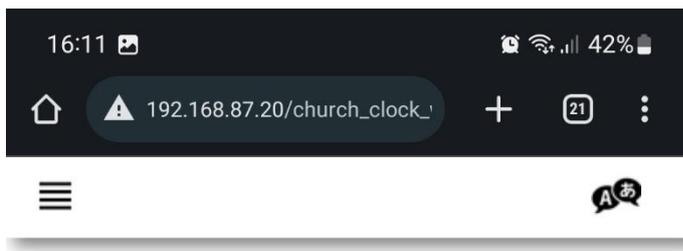
			Méret: M1:1 Téma: 266.01		Procontrol Elektronika Kft. Réjkszám: 1491-13-001 Revízió: R1 Lapok száma: 1 / Sz. lap: 1
Megnevezés: GPS-DCF Antenna fő méretek		Veliési mód: X Anyag: X		Sz. lap: 1	
Beszafás: Név: Kovács K. Tervező: Pálfi Árpád Rajzoló: Kovács K. Szerv. ellenőr: Kovács K. Felelősök: Kovács K. Dátum: 2013.10.18.					

USER DESCRIPTION

Access and launch the web app

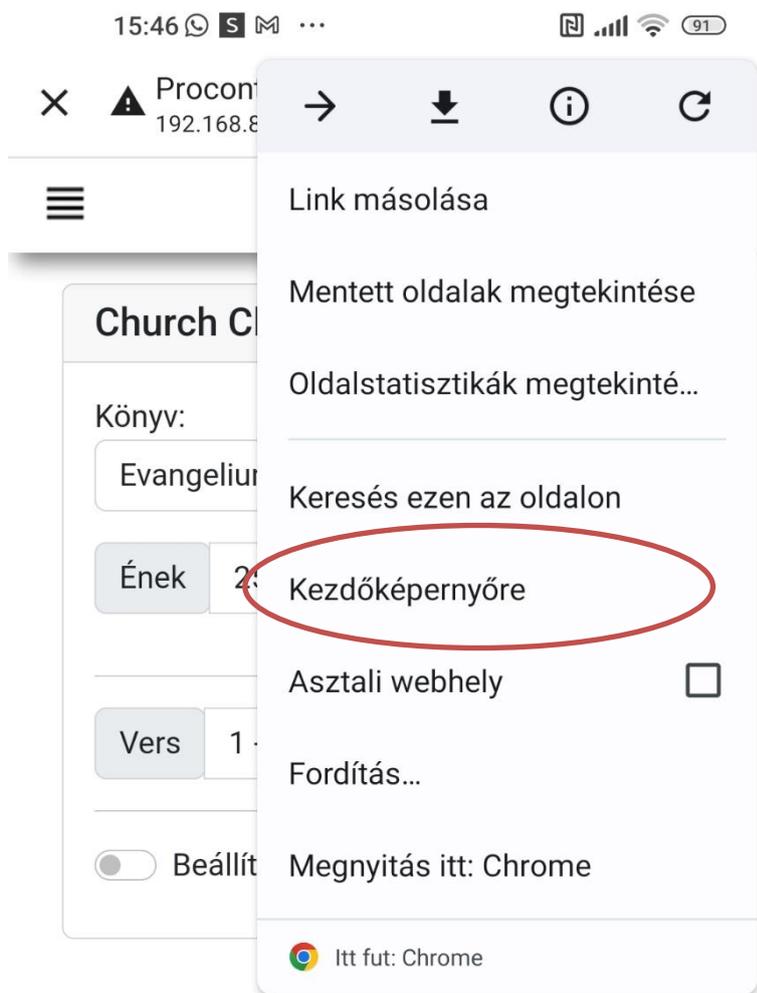
How do you access the web application of the clocks?

1. **If you only have 1 clock:** enter the IP address of the clock to be controlled remotely in the browser of the web interface.
2. **If you have more than one ChurchClock** in your system (this is the typical, there are 2 or 3 clocks in one system), you need to contact the so-called **MASTER** clock using the web application: so enter **the IP address of the MASTER clock** in the browser of the web interface.



The systems are prepared by the manufacturer in advance, and if you have ordered a smartphone dedicated to the remote control function, the **icon of the ChurchClock web app** will appear on the home screen of the smartphone supplied by Procontrol, and by clicking on the icon and logging in, the app will open by default with the IP address of the MASTER clock.

You can also place the web app on the main screen of the device by clicking on the *3 dots* in the upper right corner and then pressing the *To Home screen* button.



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Module version: 5.63.810 - 2023.06.15 GUI version: 1.0.8 - 2023.06.15.

User Log in

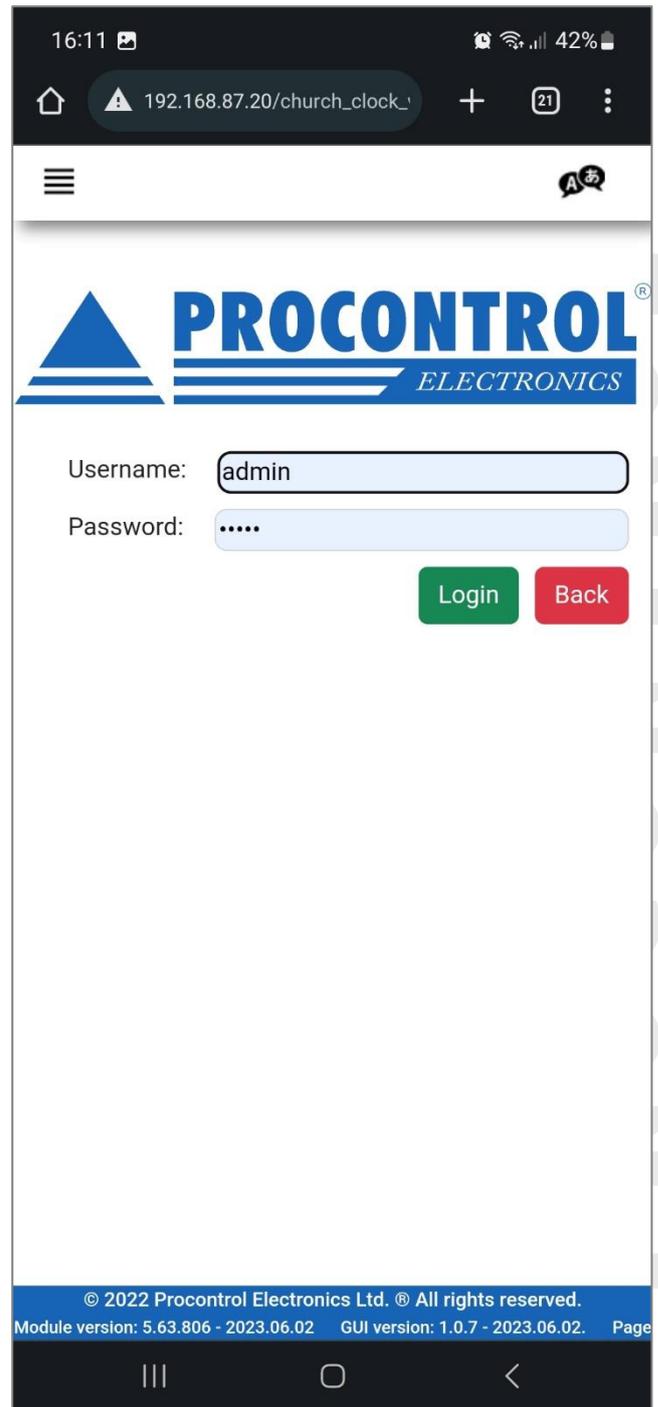
The interface will ask for login information.

The default user name: admin

The default password: admin

You can change these data at any time in the *Users* menu item.

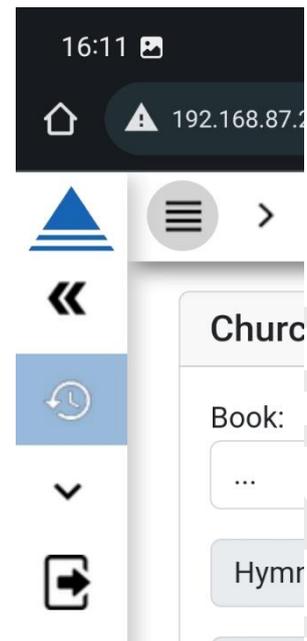
After you enter the information, you can save sign-in information on the device so you never have to enter it again. Ask for data saving. Next time, the interface will ask you the use of the saved data only, and you just have to accept it.



The menu

The „4 stripes” on the left side of the screen is the menu icon. Clicking on this will open the quick menu, also with icons.

To open a full-text version of the menu, click the arrow icon next to it.



ChurchClock

Functions of everyday use, hymn and verse number display, and brightness adjustment of clocks.

Other menu items can be displayed using the down arrow below the ChurchClock menu.

Settings

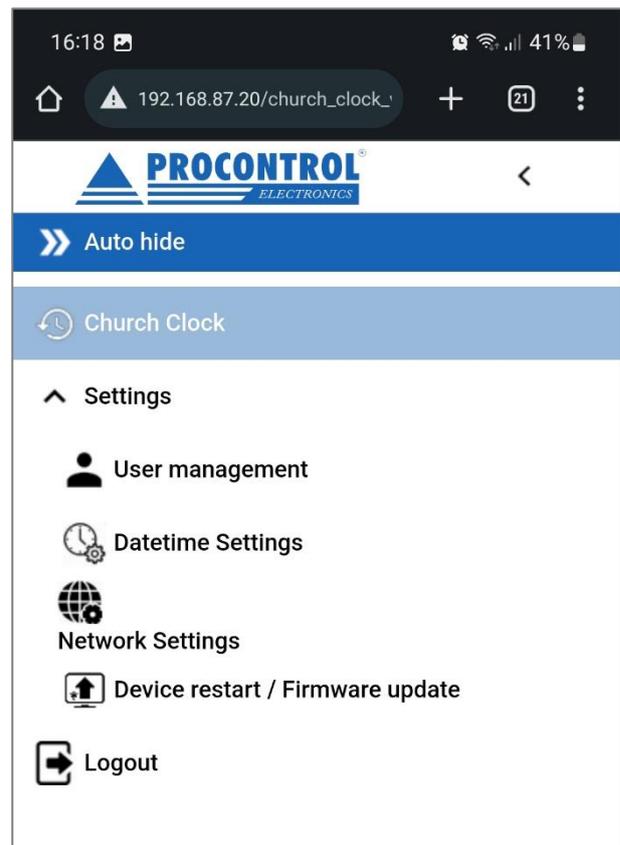
Manage users

Date and time settings

Network settings

Device restart, Firmware update (service functions, disabled for users by default)

Log off



Manage users menu

16:12 192.168.87.20/church_clock_webgui/user_management

User management

+ Add new

Filter by Name Filter by Date added Filter by Exit date Filter by User name

Name	Date added	Exit date	User name		
Procontrol	2023.02.10. 09:36:45		proci	Modify	Revoke
Procontrol	2023.02.10. 09:36:45		admin	Modify	Revoke

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Module version: 5.63.806 - 2023.06.02 GUI version: 1.0.7 - 2023.06.02. Page generated: 2023.06.07 16:12:29

Date and time settings menu

Menu for managing date and time options.

NTP Server Enabled

It is ON by default.

For NTP time synchronization, you can enter the NTP server address here.

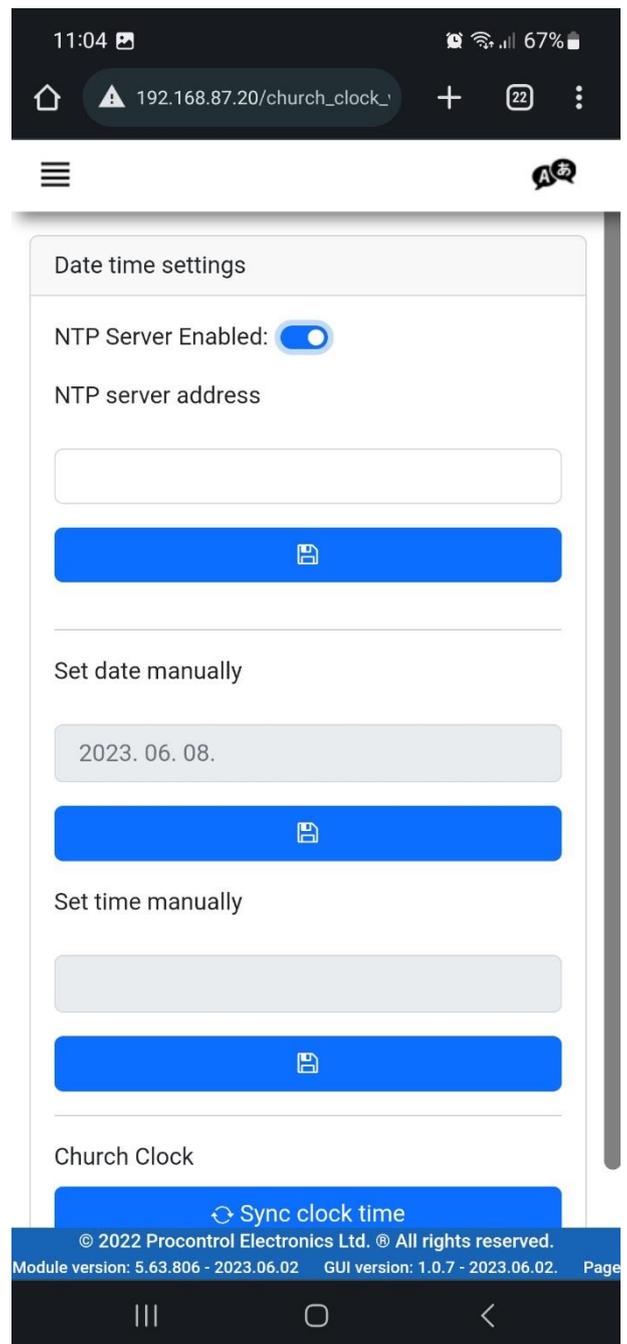
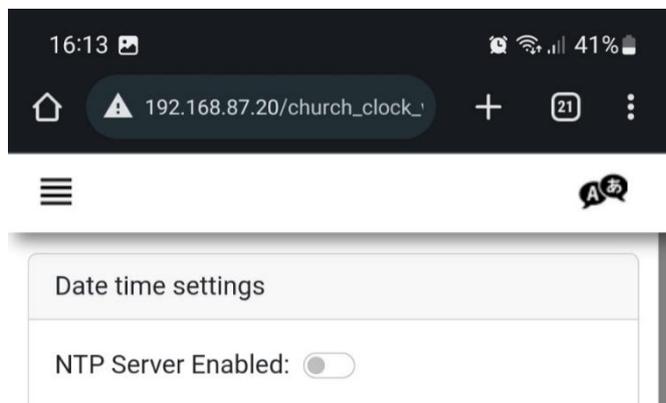
In this mode, the Manual time setting fields below are inactive.

**

If you do not want to use NTP time sync, and if you do not provide internet access to the system, you must disable the NTP server function on the clocks!

(By default, clocks assume that they should wait for NTP time data.)

After logging in, enter the **Date and Time Settings** menu and **switch off** the **NTP Server Enabled** switch, drag the switch to the left to become pale gray. If you turn it off, the fields of **Manual time setting** become available.



Set date manually

As a prerequisite for **ChurchClock: Sync clock time** time sync function to work, enter the current date and time here in the format shown in the image: hh:mm:sec

Set time manually

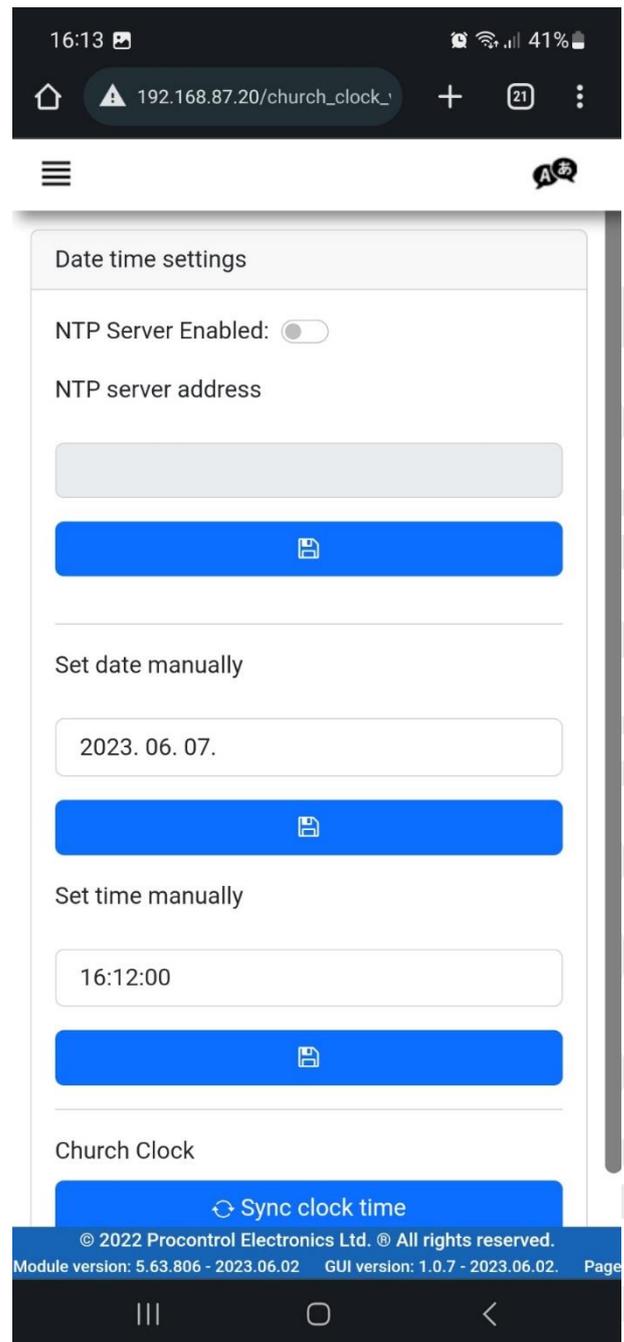
As a prerequisite for **ChurchClock: Sync clock time** time sync function to work, enter the current date and time here in the format shown in the image: hh:mm:sec

ChurchClock: Sync clock time

Manual time entry is a quick time setting option, basic service.

1. To apply it, first **enter the date and precise time to set** in the **Set time manually** points above!
2. Press the **Sync clock time** button.
3. Giving this command starts time synchronization of clocks to the manually set time.
4. The clock hands set to 12:00:00 then fast forward to that time.
5. **Synchronization takes about 3-5 minutes.** The program takes into account the time elapsed during synchronization, so for example, clocks that are assigned the time command 14:00:00 are set to 14:05:00 after the synchronization period of 05:00 minutes ends.

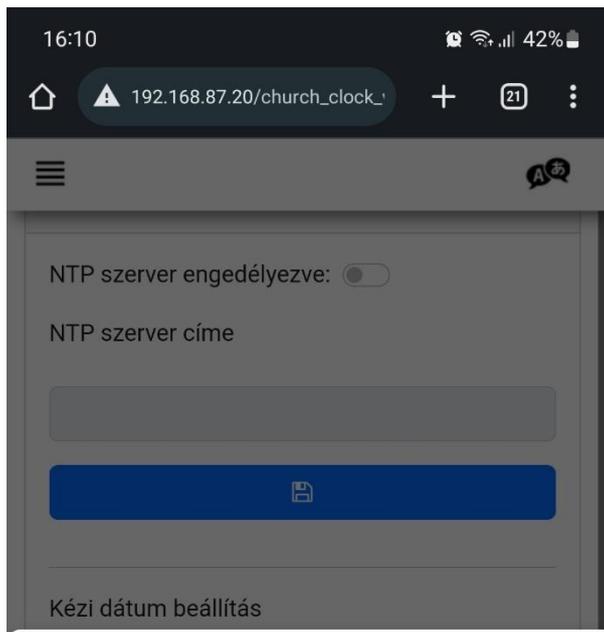
With manual time synchronization, clocks may slip by a few seconds. For accurate and regular time data updates, use NTP or GPS time sync options!



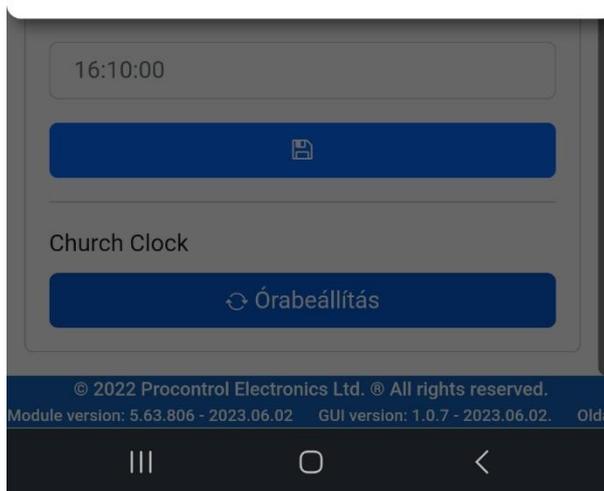
IMPORTANT!

Synchronization takes about 5 minutes.

DURING THIS TIME, DO NOT TURN OFF THE CLOCKS, TAKE AWAY THEIR POWER AND DO NOT USE THE CONTROL!



Kérem várjon, amíg az órabeállítás megtörténik! (~5 perces folyamat)



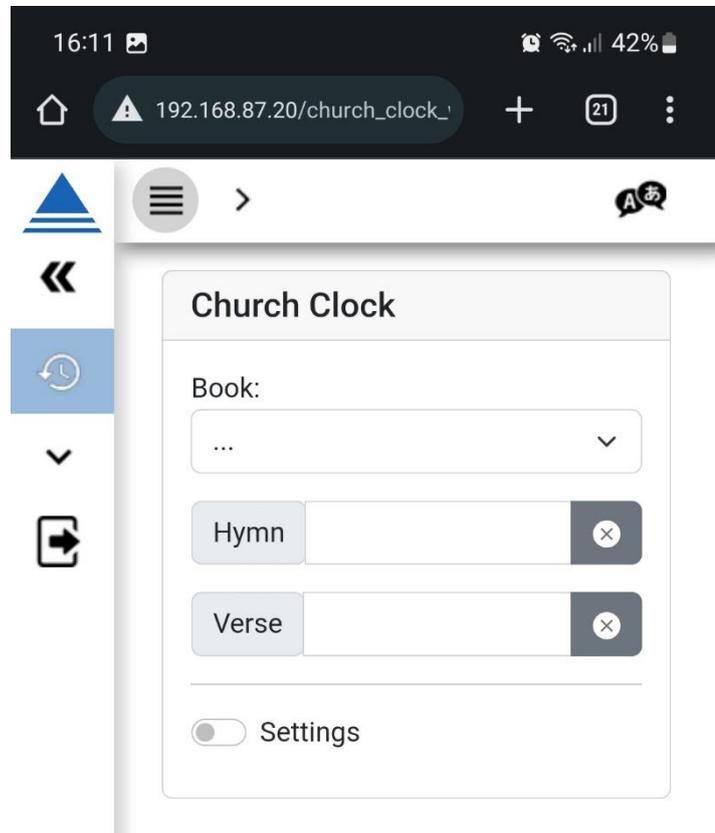
CHURCHCLOCK FUNCTIONS

Home screen

The home screen provides access to all the most important functions you need for daily use.

- Choose a book (optional)
- Choose a hymn (optional)
- Choose verse(s)

To show the brightness adjustment options hidden by default, drag the Settings switch to the right.



Book selection

You can use this feature if you want.

To do this, it is necessary to previously fill in the database of the interface with the titles of the used books.

For example, select "Zion's Harp" or "Tune Your Heart" from the list.

The selection is made by pressing the (OK) button.

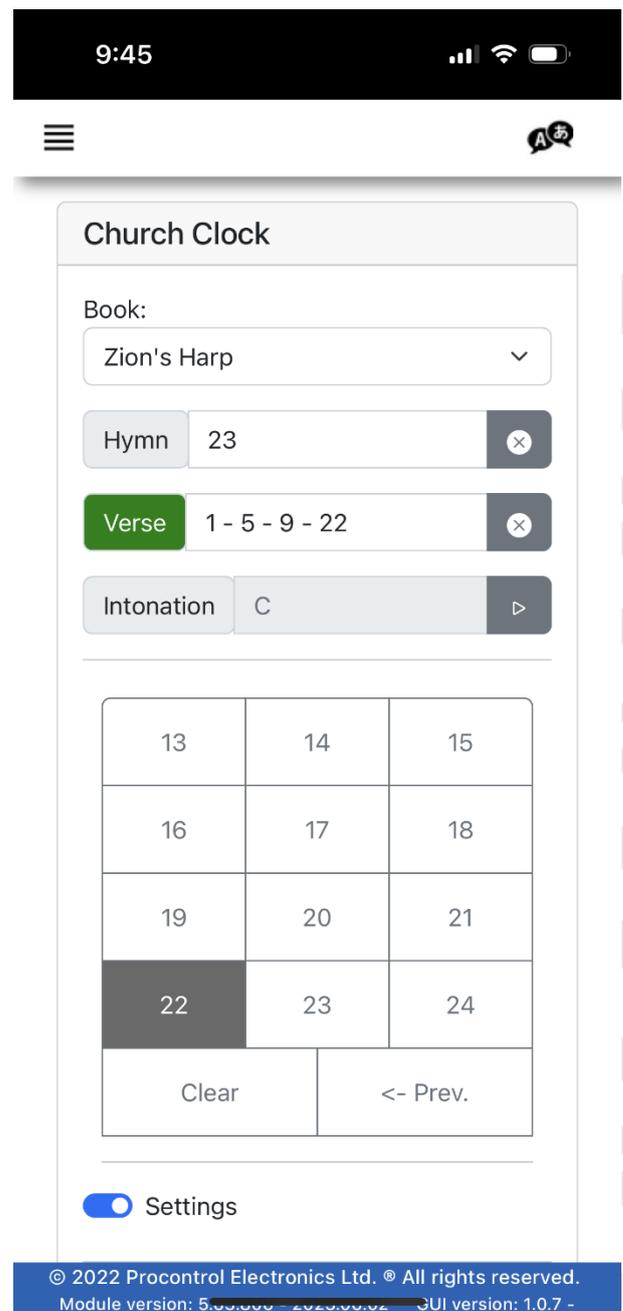
Hymn number setting

Optional. It is possible to enter the verse number without a hymn number

Click on the Hymn field. The title field turns green, indicating this is the active area.

Enter the hymn number using the numeric keypad. Then press the blue OK button and the number will appear on the digital display.

(Technical note: When the power is cut off, the ChurchClock "forgets" the last verse numbers sent to the clock. However, it remembers the hymn numbers so that they, if you haven't deleted them before turning them off, they will appear on your device's digital display when you restart them.)

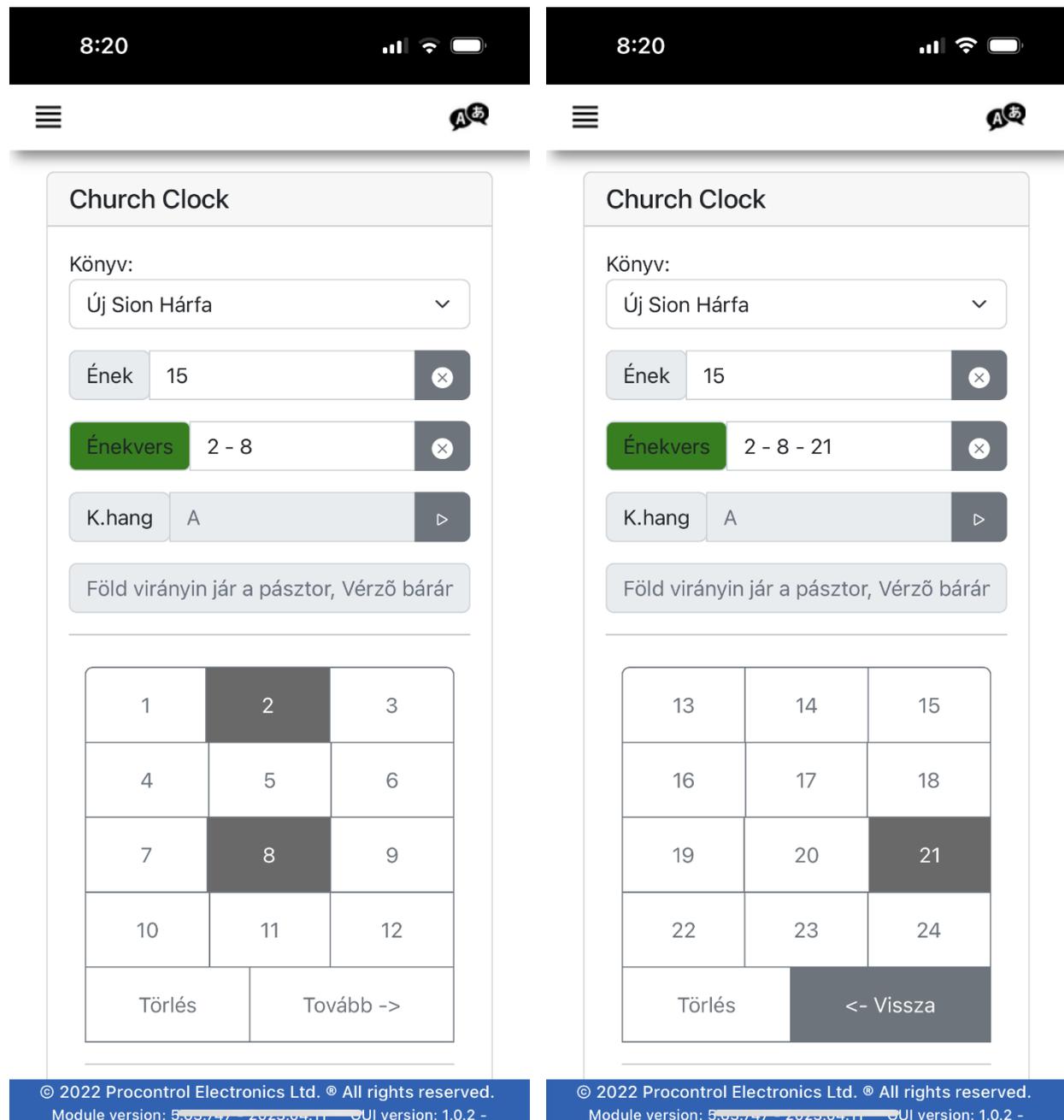


Verse display

Click on the Hymn field. The title field turns green, indicating this is the active area. On the numeric keypad, enter the requested hymn verses one after the other, the order does not matter. The verses you entered appear on the clock dial at the same time as you press the button.

The numbers **13-24** can be entered after pressing the **Next** button. On-demand, you can click **Back** to add more verses from the lower number.

If you misspell numbers, you can delete the numbers of the verses together by clicking **Delete**.



The image shows two side-by-side screenshots of the Church Clock app interface. Both screenshots show the time as 8:20 and the book selected as 'Új Sion Hárfa'. The left screenshot shows the 'Ének' field set to 15 and the 'Énekvers' field set to 2-8. The right screenshot shows the 'Énekvers' field set to 2-8-21. Below the input fields is a numeric keypad. In the left screenshot, the keypad shows numbers 1-12, with 'Törlés' (Delete) and 'Tovább ->' (Next) buttons. In the right screenshot, the keypad shows numbers 13-24, with 'Törlés' and '<- Vissza' (Back) buttons. The text 'Föld virányin jár a pásztor, Vércző bárár' is displayed at the bottom of the app interface in both screenshots.

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Module version: 5.09.747 - 2023.04.11 - GUI version: 1.0.2 -

Set the stored intonation

If the database has an intonation assigned to the hymn, you can use the middle (Intonation) button to start the note after selecting the desired hymn from the list of hymns.

The database needs to be filled with data: Hymn number, Hymn title, Hymn intonation. See below for upload details.

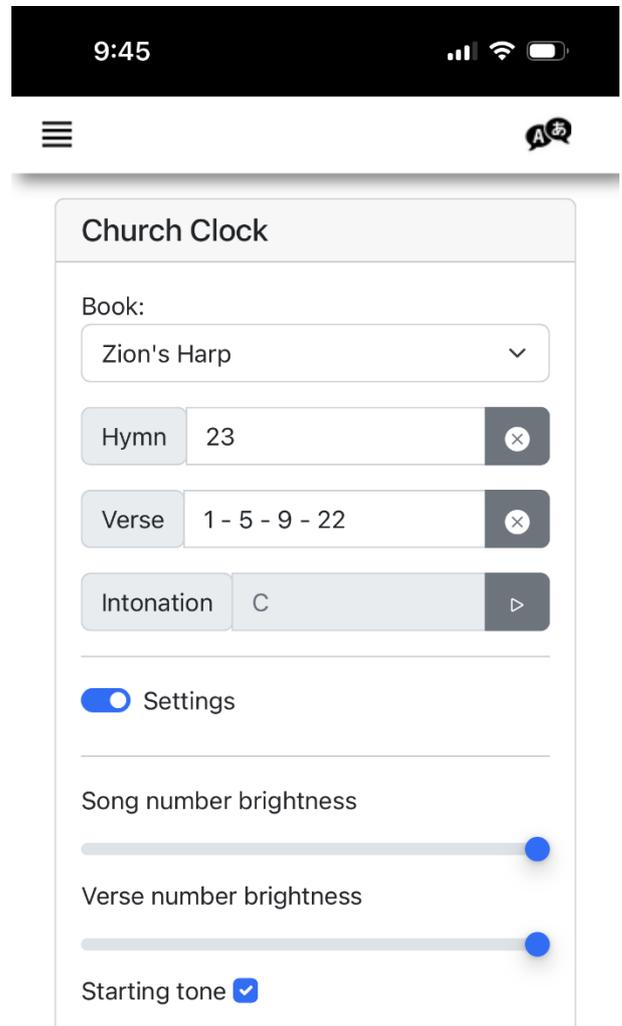
In the remote control app, you can choose to set the starting note of the hymns, which is done by playing an electronic sound whistle using the remote control managed by the song leaders. The electronic sound whistle can play the intonation both on the remote control and on the clock.

The starting tone can be set by the conductor, the leader in two ways:

1. in manual mode: the leader selects the right tone on the remote control on the virtual piano
2. using automatic mode: when the starting note (or starting chord) of the selected hymn is played (This requires that each hymn should have its initial note assigned in the remote control memory).

Settings

You can change the brightness of the hymn number, the brightness of the verse number by using the slider. You can select or turn off setting starting note (Intonation) function.



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Module version: 5.00.000 - 2020.00.02 GUI version: 1.0.7 -

Contact manufacturer

If you have any comments, questions, or problems with the program, you can contact us as follows:

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Error reporting

Email: service@procontrol.hu

Please communicate your problems and demands related to the program preferably in writing, in as detailed and clear way as possible. Thank you!