EasyPatch App

Insulin Pump System (200 U)

Quick Start Guide (mmol/L)





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Simplifying Diabetes



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EasyPatch App _____

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The EasyPatch Insulin pump System consists of:

- Smart device with Medtrum EasyPatch mobile App installed
- Patch Pump

The Medtrum EasyPatch mobile App monitors and controls your Patch, via Bluetooth. It provides you with Patch Pump data for the last 90 days.

Bluetooth communication is essential for the EasyPatch App to control/monitor your Patch Pump. The App can detect and will notify you about a disconnection.

If the communication is lost, the Patch Pump will continue delivering basal insulin based on your programmed settings, perform safety checks and automatically stop delivery in case of serious conditions.

The App can be used when your smart device is charged and turned-on. If the phone is turned off, as soon as you restart your smart device and the App, the App will automatically connect with the Patch Pump system.

Insulin Pump System

Reservoir Patch



Pump Base



- The ultra-thin Patch Pump is composed of a reusable Pump Base and a disposable Reservoir Patch which stores up to 200 U of insulin and lasts for up to 3 days.
- The Pump Base stores delivery settings and sends data to the EasyPatch App via Bluetooth Low Energy (communication range 4 meters without blocking).
- The Patch Pump (Pump Base and Reservoir Patch connected) is waterproof at 8 feet (2.5 meters) for 60 minutes (IP28).
- Store the Pump Base and Reservoir Patch at temperatures between -10°C (14°F) and 55°C(131°F).
- Operating temperature of Insulin Pump system is between 5°C (41°F) and 40°C (104°F).

Smart Device Settings

Smart Device Requirements

- IOS device: IOS 12.0 system or above
- · Android device: Android 8.0 system or above

Recommended Smart Device Settings

See your smart device instructions to learn how to change its settings.

Set the following for your EasyPatch App:

- Bluetooth: Available and turned on
- Silent and Do Not Disturb: Turned off
- Volume: Loud enough for you to hear alerts and reminders
- **Internet:** Make sure your smart device settings allow EasyPatch App to use WLAN and mobile data.
- Camera: Allow EasyPatch access to camera.
- Notifications: Turn on notifications for the EasyPatch App.
- Time: Do not manually change your smart devices time as this will make the time on your monitor screen different.
- Battery saver mode: Do not activate low battery usage mode. Otherwise, the app will stop uploading data in the background.
- Keep EasyPatch App open and running in the background
- Restart the EasyPatch App after your smart device is restarted.

If you installed the App on an IOS device:

 Make sure the background refresh for EasyPatch App is turned on.

If you installed the App on an Android device:

- For Android system 8.0 to 11.0, make sure you allow the App to access device's location so that the App can use the Bluetooth feature
- For Android 12.0 system or later, make sure you turn on Nearby Devices so that the App can use the Bluetooth feature to connect other devices.
- Make sure the EasyPatch App is locked in the background.
- Open auto run in the Smart Manager (Samsung).

Install and Log in

1. Download and install EasyPatch App

Search "Medtrum EasyPatch" in App Store or Goole Play.



2. Open the Medtrum EasyPatch App

3. Log in a Medtrum account

If you already have a Medtrum account, ensure that the correct country/region is selected for your account. To do this, tap the **country/region** name in the topright corner of the screen and select the appropriate option from the list.

Next, enter your **email address** and **password** to log in. If you've forgotten your password, tap **Forgot password?** to reset the password.



Register a Medtrum Account

1. Agree to Privacy Policy and Terms of Use

If you do not have a Medtrum account, first tap on the country/region name in the top right corner to ensure you have selected the correct country/region for your account.

On the login page, select **Register**.

Read and agree to the **Privacy Policy** and **Terms of Use** by ticking the boxes, then tap Next to start the registration process.





2. Enter Email Address and Verification Code

Enter your email address as your account name. Tap **Get Code**, and a 6-digit verification code will be sent to your email. Check your email and enter the code on the registration page.

3. Fill out Your Full Name and Set Password

Enter your full name to help your healthcare providers identify you easily.

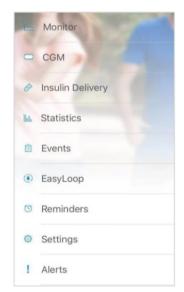
Set the password for your account.

- ✓ The password must contain characters from three of the following four categories:
 - English uppercase characters (A through Z)
 - English lowercase characters (a through z)
 - Base 10 digits (0 through 9)
 - Non-alphabetic characters, including
 -!@#\$%^&*() -+=`{}|[]\:";'<>,.
- ✓ The password must be between 6 and 20 characters long.
- The password must be different from your username (your email address).
- ✓ The password cannot contain 3 consecutive numbers (eg: 123, 321).
- ✓ The password cannot contain 3 consecutive letters (eg: abc, cba).
- ✓ The password cannot contain spaces.

Tap **Submit** to complete account registration.

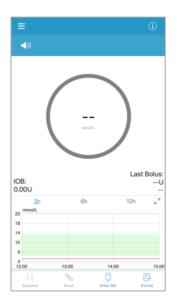
Monitor Screen and Main Menu

Main Menu

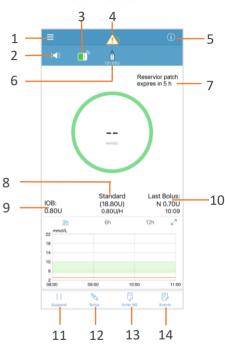


Monitor Screen

Not Connected







- 1. Main Menu
- 2. Audio Options
- 3. Pump RF signal
- 4. Alarm/Alert
- 5. Status
- 6. Insulin left

- 7. Patch Expiry Reminder
- 8. Basal Rate (Basal Pattern)
- 9. IOB
- 10. Last Bolus
- 11. Suspend/Resume

- 12. Deliver Bolus
- 13. Enter BG
- 14. Add Event

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Insulin Pump Settings

1. Switch on the Insulin Pump feature

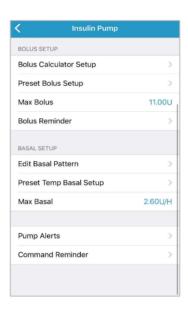
Main Menu → Settings → Insulin Pump

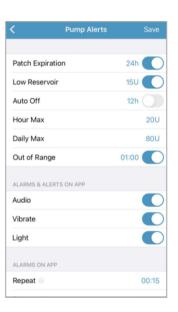


Please contact your local Medtrum Representatives to add your account to the Insulin Pump Allowed List first. If your email has not been added to the Allowed List, you will not be able to use the Insulin Pump related feature in the EasyPatch App.

2. Audio options of Patch Pump Alerts

Main Menu → Settings → Insulin Pump→ Pump Alerts → Alarms & Alerts on APP

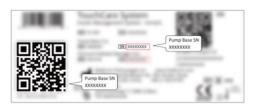


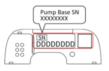


Insulin Pump Settings

3. Find Pump Base SN

The Pump Base SN can be found on the product box label or on the back of the Pump Base.





4. Add Pump Base SN

Main Menu → Settings → Insulin Pump → Add Pump Base

a. You can use the camera to scan the QR code on the back of your Pump Base or on the product box.





b. You can also tap **Enter SN manually** to enter the SN manually.



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Insulin Pump Settings

1. Max Basal

Main Menu → Settings → Insulin Pump → Basal Setup

2. Edit Basal Pattern

- 1. Tap Edit Basal, then select the Pattern to edit
- 2. Set basal rate
- Tap blue U/H field to set the Basal rate.
- You can set a basal rate between 0 and the Max Basal Rate with an increment of 0.05 U/H.
- 3. Add Time Segment
- Tap +Add Time Segment to add a new segment.
- You can set up to 48 segments for each day.
- 4. Delete Time Segment
- Slide to left on each segment, tap Delete. The start time of next segment will be adjusted
- 5. Scroll up and down to review all segments
- 6. Tap Done to save the settings

3. Select a Basal Pattern

Main Menu → Insulin Delivery → Basal → Select Pattern









Insulin Pump Settings

1. Max Bolus

Main Menu → Settings→ Insulin Pump → Bolus Setup

Max Bolus 22.35U

2. Set up the Bolus Calculator

- Turn on the Bolus Calculator
- Set IC ratios
- Set Insulin Sensitivity
- Set BG target
- Set IOB Time (Active Insulin Time)

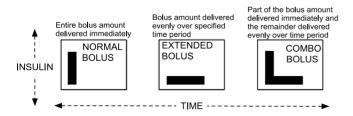


<	IC Ratios		
Start	Insulin (U)	Carbs (g)	
00:00	1	15	
16:30	1	13	
+ Add Time Segment			

Start	Insulin (U)	BG (mmol/L
00:00	1	2.8
08:30	1	3.2

Start	Low Limit	High Limi (mmol/L)
00:00	3.8	12.4
08:30	4.0	13.8

3. Normal, Extended and Combo Bolus



4. Command Reminder

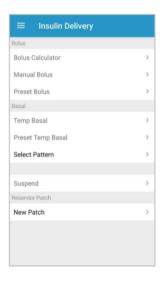
Main Menu → Settings→ Insulin Pump
→ Command Reminder



Start a new Patch

Main Menu → Insulin Delivery → New Patch

When there is no Patch activated or when an old Patch has been removed, you can go to **Insulin Delivery** menu to activate a new patch. Make sure that the correct Pump Base SN has been entered on your App.





Start a new Patch

Select the infusion site

- Clean, hair free, dry, with enough fat (at least 5mm) and away from naval.
- A new infusion site should be at least 2.5 cm (1 inch) away from the last site.
- If you choose an infusion site on your abdomen, back or buttocks, apply the Patch horizontally.
- If you choose an infusion site on your upper arm or thigh, apply the Patch vertically.

2 Prepare the infusion site

- · Wash your hands with soap and water.
- Clean the infusion site with an alcohol wipe to enhance adhesion.
- Let the skin air dry completely.



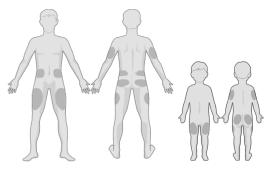
Main Menu → Insulin Delivery → New Patch

Gently insert the Pump Base perpendicularly into the Reservoir Patch and push it all the way down until the Pump Base is locked in place. At this time, you will hear a "click" indicating the two are firmly attached.



 \rightarrow

The Pump beeps 4 times



Note: Please pay attention to the location of the Sensor site and Patch site so that there is little communication interruption.

Fill the New Reservoir Patch

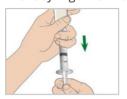
With the help of your healthcare provider, decide on the amount of insulin (70 U - 200 U) you need to insert into the Reservoir Patch.

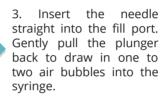
Warning: Do not inject air into the fill port. Doing so may result in unintended or interrupted insulin delivery.

1. Push air into the vial.



2. Fill the syringe with insulin.







Remove air



4. Remove the needle from the fill port. Hold the syringe upright, tap the side of the syringe to move air bubbles to the top, and push the plunger until a drop of insulin appears at the tip.



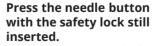
5. Again, insert the needle straight into the fill port and slowly fill the reservoir with insulin.







Prime the Pump



Do not start priming before the needle button is pressed.







Keep a distance of around 30 cm between your smart device and Pump.

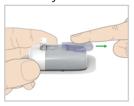


Priming takes about 3 minutes.



6 Place the Patch

1.Remove the safety lock 2. Peel off the adhesive liners. 3. Attach the Pump on the skin. horizontally.







4. Run your finger around the entire edge of the adhesive pad and press the pump in place for 5 to 10 seconds.



5.Press the needle button with one quick motion to insert the needle into the skin.





Tap **Continue** after you have inserted the needle.





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1. Activate a Temp Basal

Main Menu → Insulin Delivery → Temp Basal

With a Temp Basal you can adjust your Basal rate for a short time

Select a Basal type, rate or percent and set a duration. Tap the pump 2 times, an on-screen message will tell you the temp basal has been activated.





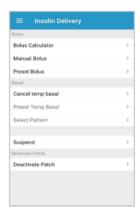
3. Set Preset Temp Basal

Main Menu → Settings→ Insulin Pump → Basal Setup → Preset Temp Basal Setup



2. Cancel a Temp Basal

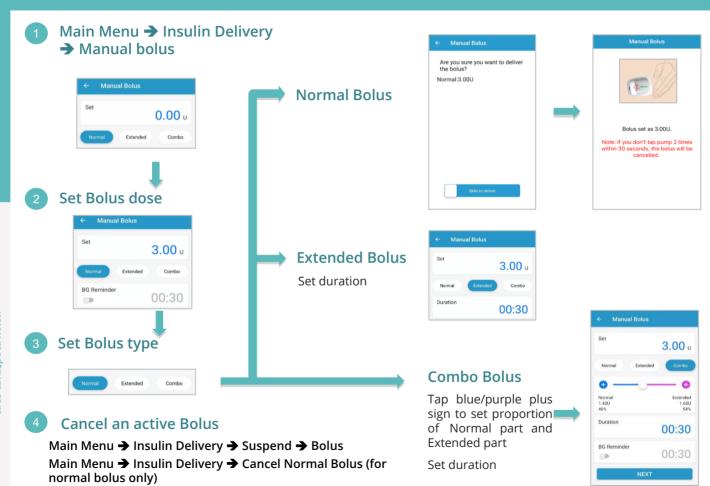
Main Menu → Insulin Delivery → Cancel Temp Basal



4. Activate a Preset Temp Basal

Main Menu → Insulin Delivery → Preset Temp Basal





Bolus Calculator





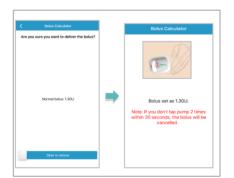
2 Enter BG or Carb, or both



3 Set Bolus dose and Bolus type



Normal Bolus



Extended Bolus

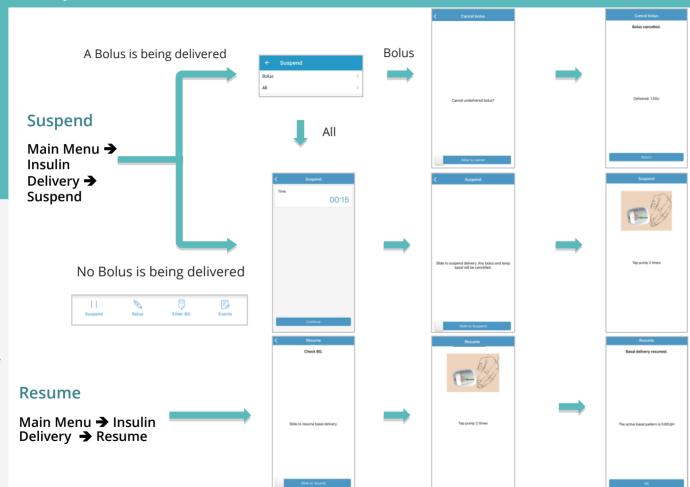


Combo Bolus



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Suspend & Resume



Deactivate the Patch

Menu→ Insulin Delivery → Deactivate Patch











Remove the Patch

- After the Reservoir Patch is deactivated, retract the needle with the needle-eject tool.
- Gently remove the entire Patch Pump. Use a medical adhesive remover or baby oil if necessary.
- Fold down and break the tab of Reservoir Patch. Push up the pump base from the bottom and remove it from the old Reservoir Patch.
- Discard the old Reservoir Patch according to your local waste disposal regulations. Do NOT discard your Pump Base. It is reusable.



Warning: Once the Patch is removed from the skin, do not attempt to press the needle button again. Doing so will result in injury. Please wait for at least 5 seconds before connecting to a new Reservoir Patch; otherwise, you may not hear the four beeps or receive an 'Used Patch' alarm when it's actually a new Patch.

Read Pump

Monitor Screen

Delivering Basal

Delivering Extended Bolus



| Standard | Bloket | Standard |

Delivery Suspended

Delivering Normal Bolus





Delivery Status

lcon	Shape and Color	Description
	Grey ring	Grey ring indicates that there is no activated Pump.
	Green ring	Green ring represents the basal delivery.
0	Green and dark green ring	Green ring with dark green part represents Temp Basal, the dark green part indicates the progress of Temp Basal delivery.
	Blue and dark blue ring	Blue ring represents the Normal Bolus, the dark blue part indicates the progress of delivery.
	Purple and dark purple ring	Purple ring represents the extend Bolus, the deep purple part indicates the progress of delivery.
	Red ring	Red ring represents the delivery suspend status.

Alerts & Emergency Kit

Alert

App Message	Actions to Take
END OF SUSPEND	Check BG. Resume basal delivery if necessary.
LOW RESERVOIR	Change Patch soon.
PATCH EXP IN 1 HOUR	Change Patch soon.
PATCH BATTERY LOW	Change Patch soon.

Alarm (Medium Priority)



App Message	Actions to Take
PATCH EXPIRED	Change Patch. Check blood glucose.
EMPTY RESERVOIR	Change Patch. Check blood glucose.
PATCH BATT DEPLETED	Change Patch. Check blood glucose.
EXCEEDS MAX TDD	Check blood glucose. Resume basal delivery
PUMP OUT OF RANGE	Move smart device close to Pump. If failed to recover Pump signal, please change Patch.

Alarm (High Priority)



App Message	Actions to Take
OCCLUSION DETECTED	Change Patch. Check blood glucose.
PATCH ERROR	Change Patch. Check blood glucose.
PUMP BASE ERROR	Remove Pump. Check blood glucose. Contact customer support.
PATCH DEACTIVATED	Check if a new patch has been connected and follow the instruction to activate the new patch. Otherwise, change to a new patch.

Emergency Kit

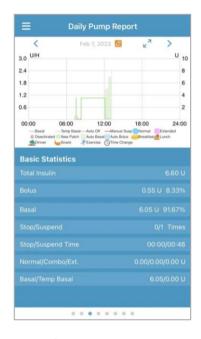
Keep an emergency kit with you at all times to make sure you have necessary supplies. Inform a family member, co-worker, and/or friend where this emergency kit is kept.

This kit should include but is not limited to:

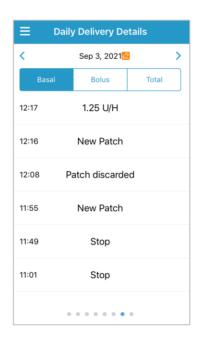
- Fast-acting glucose tablets or gel
- BG monitoring supplies
- Urine or blood ketone testing supplies
- Insulin syringe or insulin pen
- Rapid-acting U-100 insulin
- Extra Medtrum 2.0 mL reservoir patches
- Power Bank
- · Alcohol wipes
- · Glucagon emergency kit
- Emergency contact phone numbers
- Instructions from your healthcare provider on how much insulin to inject if pump delivery is interrupted
- A copy of a letter from your healthcare provider for airline security (when traveling)

Statistics

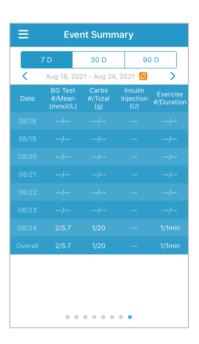
You can view the Pump data by either tapping and selecting a day or tapping / /> to move back / forward.



Daily Pump Report



Daily Delivery Details



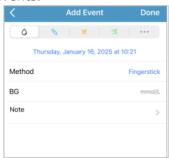
Event Summary

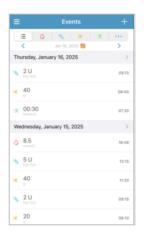
Main Menu → Events

This screen shows all the events before a certain date which can be changed by tapping ❷ and selecting a day or tapping < / > to move back / forward.

1. Add an event

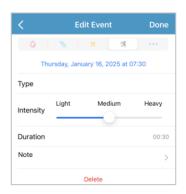
- 1. Tap to add a new event.
- 2. Tap O N X M to add BG, injection, food carbs, exercise or other events.





2. Edit events

- 1. Select a previous entered event.
- 2. Tap **Done** to save or tap **Delete** to delete an event.



Reminders

1. Personal Reminder (For iOS device only)

The personal reminders can be useful to remind you when to check your blood glucose, deliver bolus etc.

Tap # to add a new reminder.

Slide a reminder from right to left and tap **Delete** to remove it.





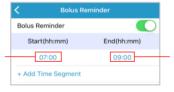


2. Bolus Reminder

Main menu → Settings → Insulin Pump → Bolus Setup → Bolus Reminder

When you forget to deliver a bolus between time point A and time point B, you will receive a Reminder at time point B.





Time Point B

3. Command Reminder

Main menu → Settings → Insulin Pump → Command Reminder

Command reminder is for insulin pump only. When the Command Reminder is ON, you need to tap the pump 2 times to confirm bolus delivery or basal change.

If you don't double tap the pump within 30 seconds, the delivery or change will be cancelled.



Remote View Permission

Main Menu → Settings → Account Security → Remote View Permission

1. Accept Remote View Request

Tap **Accept** to grant permission for the remote view request.



2. Deny Remote View Request or Revoke Authorization

You can deny an unrecognized remote view request or revoke an account's remote view authorization at any time by following the same steps.

For iOS devices:

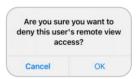


1. Swipe left on the account and tap **Cancel permission**.

For Android devices:



1. Tap **Edit** in the top right corner of the screen.



2. Select **OK** in the pop-up window to confirm.



2. Tap \bigcirc to the left of the account.



3. Select **OK** in the pop-up window to confirm.

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Your Personal Settings

Max Basal Rate: _____U/H

Basal Pattern Name:				
Start Time	Rate (U/H)	Start Time	Rate (U/H)	
:		:		
:		:		
:		:		
:		:		
:		:		
:		:		
:		:		

Basal Patt	ern Name:		
Start Time	Rate (U/H)	Start Time	Rate (U/H)
:		:	
:		:	
:		:	
:		:	
:		:	
:		:	
:		:	

Name	Rate	Duration
Heavy Exercise	% or U/H	:
Medium Exercise	% or U/H	:
Light Exercise	% or U/H	:
Sick	% or U/H	:
Temp 1	% or U/H	:
Temp 2	% or U/H	:
Temp 3	% or U/H	:

Your Personal Settings

I:C Ratio			
Start Time	I:C (g Carb)		
:	1 U :g		
:	1 U :g		
:	1 U :g		
:	1 U :g		
:	1 U :g		
:	1 U :g		
;	1 U :g		

BG Target (mmol/L)				
Start Time	Low Limit	High Limit		
:				
:				
:				
:				
:				
:				
:				

Insulin Sensitivity			
Start Time	ISF (mmol/L)		
į.	1 U: mmol/L		
:	1 U: mmol/L		
:	1 U: mmol/L		
:	1 U: mmol/L		
:	1 U: mmol/L		
:	1 U: mmol/L		
:	1 U: mmol/L		

Max Bolus:	U
Max Bolas	

Active	Inculin	Timo	
ACLIVE	IIISUIIII	Tille.	



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Simplifying Diabetes

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