

Implementation Manual

Find a Balíkovna



Service description

This service enables online shoppers to select the Balíkovna outlet they prefer (regardless of its location) and have their parcel sent there. Typically, the consignment will be ready for pickup at the selected outlet the next working day after posting. The pickup code makes it simple for the addressee to send a third person to collect the parcel. The addressee will find the pickup code in the text or email notification.

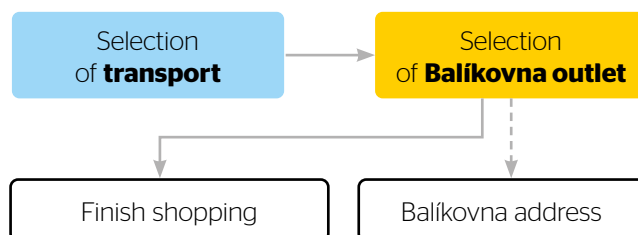
How does it work

The web page <https://b2c.cpost.cz/locations> contains an iframe for finding a Balíkovna outlet including a current database of Balíkovna outlets. Once you implement our iframe, you will not need to update the database any longer - you will always have the current information including a graphic display with a map.

THE SIMPLE PROCESS OF IMPLEMENTATION

INCLUDES:

- 1 Inserting of a dialogue window for selection
- 2 Processing of the selected data
- 3 Storing of the response with the selected data



The customer can use the map or enter the name or address of the desired Balíkovna outlet to select the best outlet for delivery. The "My location" feature makes the use and search even more comfortable and faster. It can be used to display the nearest Balíkovna outlets.

How to search for Balíkovna outlets

The following two options make the search more comfortable. First, the iframe incorporates an automatic word completion box with full-text search. Second, the customer can use the "My location" feature to display the nearest Balíkovna outlets. The customer will be able to see the outlets on the map, which makes it easy to choose the best outlet to pick up the consignment. We recommend using additional filters, such as the opening hours of the outlet, to narrow the search results.

How to find an outlet

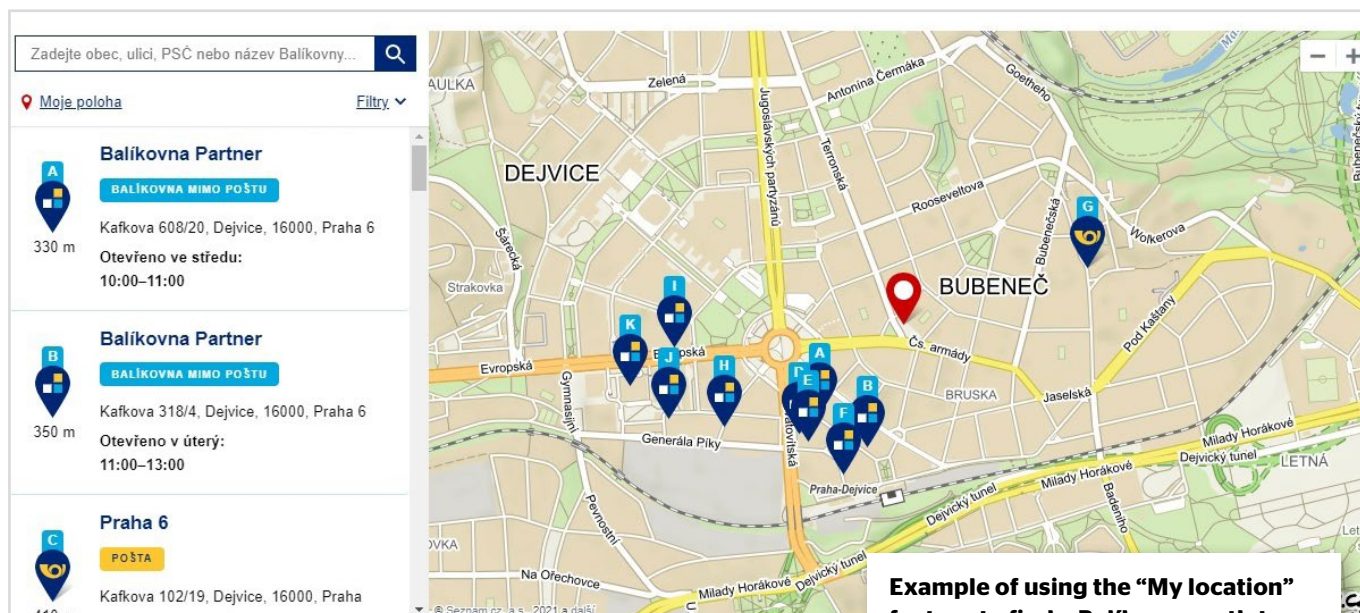
1. Name-based filtration (e.g. Ostředek municipal office).
2. Address-based filtration (e.g. Kafkova 102/19, Dejvice, 160 00, Praha 6).
3. Use of the "MY LOCATION" feature to display the nearest outlets.

Additional filtration based on points of interest

1. Outlet-type based filtration (outlets located at post, external outlets or box).
2. Opening-hours based filtration (open after 5 p.m., open during weekends).
3. Accepts-card-payment based filtration (yes or no).

Example of searching for Balíkovna outlets

Full map



Balíkovna Partner
BALÍKOVNA MIMO POŠTU
Kafka 608/20, Dejvice, 16000, Praha 6
Otevřeno ve středu:
10:00–11:00

Balíkovna Partner
BALÍKOVNA MIMO POŠTU
Kafka 318/4, Dejvice, 16000, Praha 6
Otevřeno v úterý:
11:00–13:00

Praha 6
POŠTA
Kafka 102/19, Dejvice, 16000, Praha

Example of using the “My location” feature to find a Balíkovna outlet.

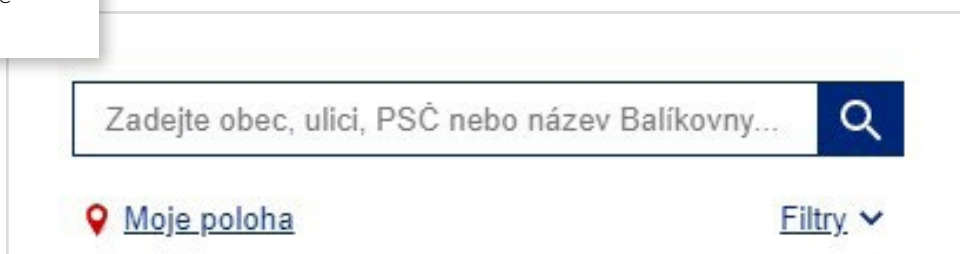
Balíkovna outlets can be chosen either directly on the map or in the search results.

We recommend using the “My location” feature. It will pinpoint the nearest Balíkovna outlets and calculate the distance to the nearest one.


NOTE The recommended minimum width and height of the dialogue window are 360 px and 800 px, respectively.

You can also use the **full-text search** tool to find the outlet where you wish to pick up your consignment. The search results can be further filtered, e.g. based on the opening hours (open during weekends, open after 5 p.m.) or the possibility to pay by card at the outlet. If you have a favourite Balíkovna, **you do not have to write its address**. Just write its name – and it will be displayed on the map.

Full-text search



Zadejte obec, ulici, PSČ nebo název Balíkovny...

 [Moje poloha](#)

[Filtry](#) ▼

Example of searching for Balíkovna outlets

Search results

Use the automatic word completion box to **find easily the information about whether the Balíkovna outlet opens the next working day and/or during weekends**. Further details include the location of the outlet (at post office or elsewhere) and distance from your current location.

Outlet details



Balíkovna Partner

BALÍKOVNA MIMO POŠTU

Buzulucká 548/4, Dejvice, 16000, Praha 6

Otevírací doba

Pondělí	08:00–19:00
Úterý	08:00–19:00
Středa	08:00–19:00
Čtvrtek	08:00–19:00
Pátek	08:00–19:00
Sobota	zavřeno
Neděle	zavřeno

[Více o této Balíkovně na webu České pošty](#)

Vyzvednout zde

The Balíkovna outlet chosen on the map or in the search results will be displayed along with its details.

Click on the button **“Pick up here”** to choose the outlet where you wish to pick up your parcel.

If your mobile phone number is not required by your online store as a compulsory detail, you can enter the parameter **“Phone”** in the URL of the address to display the **field for entry of your phone number**. The pickup code for the Balíkovna outlet will subsequently be sent to the phone number.

Moje poloha

Filtrovat

A

330 m

Balíkovna Partner

BALÍKOVNA MIMO POŠTU

Kačkova 608/20, Dejvice, 16000, Praha 6

Otevřeno v úterý:
10:00–11:00

B

350 m

Balíkovna Partner

BALÍKOVNA MIMO POŠTU

Kačkova 318/4, Dejvice, 16000, Praha 6

Otevřeno v úterý:
11:00–13:00

C

410 m

Praha 6

POŠTA

Kačkova 102/19, Dejvice, 16000, Praha 6

Otevřeno v úterý:
08:00–20:00

Outlet details - phone number



Balíkovna Partner

BALÍKOVNA MIMO POŠTU

Buzulucká 548/4, Dejvice, 16000, Praha 6

Otevírací doba

Pondělí	08:00–19:00
Úterý	08:00–19:00
Středa	08:00–19:00
Čtvrtek	08:00–19:00
Pátek	08:00–19:00
Sobota	zavřeno
Neděle	zavřeno

[Více o této Balíkovně na webu České pošty](#)



Zadejte telefonní číslo...

Vyzvednout zde

Example of implementation of the Balíkovna outlet search tool

→ Development requirements

The following implementation tools were used:

- Node.js nodejs.org/en – A platform for the JavaScript application runtime environment.
- React reactjs.org – A JavaScript library for the client application in the browser.
- npm npmjs.com – A JavaScript package manager necessary for Gulp.
- Mapy API v4.13 api.mapy.cz – A JavaScript library of maps provided by Seznam.cz, a.s.

The application was written with React Framework (<https://reactjs.org/>).

→ Inserting a dialogue window for selecting an HTML page

The dialogue window for searching and **selecting an outlet is implemented as an IFRAME**, which can be inserted into any existing HTML page within <body> anywhere according to the needs of the integrating page. No supporting libraries are required for full functionality.

Dialogue functions are controlled by URL query parameters in the URL box of the inserted IFRAME.

```
<iframe
  title="Výběr místa pro vyzvednutí zásilky"
  src="https://b2c.cpost.cz/locations/?type=BALIKOVNY"
  allow="geolocation" />
```

NOTE For the location loading feature, it is necessary to explicitly enable geolocation in the IFRAME. If it is not enabled, the browser will technically block all attempts to use the device's location (both automatic and manual).

→ Passing parameters to a Script tag

```
b2c.cpost.cz/locations/?type=BALIKOVNY&phone=true&skipLocation=false
```

1. Type

- **BALIKOVNY** – Only outlets in the Balíkovna network will be searched for and displayed.
- **POST_OFFICE** – Only outlets located at post office will be searched for and displayed. This applies only to the "Balík Na poštu" service.

NOTE Not entering a value or using another value means that both lists will be displayed and a wrong outlet may be chosen.

2. Phone

- **TRUE NEBO POUZE NÁZEV ATRIBUTU** – A query for a phone number will be displayed in the dialogue window and the phone number will be returned in the event.
- **FALSE NEBO NEUVEDENO** – No query for a phone number will be displayed in the dialogue window.

NOTE The parameter "PHONE" with the attribute "TRUE" should only be used if phone number is not among the compulsory details required by your online store. Email address must be provided if the delivery to a Balíkovna outlet is to be successful, and we recommend to use a mobile phone number as well.

3. SkipLocation

- **TRUE** – No automatic query will be displayed in the dialogue window, and the user will be allowed to find the location.
- **FALSE** – When the dialogue window opens for the first time, it will try to read the location of the device automatically.

NOTE Only the name of the attribute can be used without adding the value "TRUE." For instance, %URL%/map?skipLocation can be used instead of %URL%/map?skipLocation=true.

➔ Processing of the selected data

The dialogue passes information about the selected outlet through the JavaScript event “message.”

When the selection is made (by clicking the button “Pick up here”), the dialogue will start the JavaScript event “message” ([see the documentation for more information](#)) including information about the selected outlet and the queried phone number.

```
function iframeListener(event) {
    if (event.data.message === 'pickerResult') {
        // Zpracovani event.data.point, pripadne event.data.phone
        // ...
    }
}
window.addEventListener('message', iframeListener)
```

A JavaScript object (a FormData event) can be expected here.

```
{
  „message“: „pickerResult“,
  „id“: 123,
  „point“: {
    „id“: 123,
    „type“: „BALIKOVNY“,
    „zip“: „10000“,
    „address“: „Černokostelecká 2020/20, Strašnice, 10000, Praha“,
    „atm“: true,
    „coord_x_wgs84“: „14.492777“,
    „coord_y_wgs84“: „50.076442“,
    „coords“: {„x“: 14.492777, „y“: 50.076442},
    „distanceMeters“ : 1280.1306067886323,
    „district“: „Hlavní město Praha“,
    „municipality_district_name“: „Strašnice“,
    „municipality_name“: „Praha“,
    „name“: „Praha 10“,
    „opening_hours“: [
      {„od_do“: [{„do“: „12:00“, „od“: „11:00“}, {„do“: „18:00“, „od“: „13:00“}]},
      {„od_do“: [{„do“: „12:00“, „od“: „11:00“}, {„do“: „18:00“, „od“: „13:00“}]},
      {„od_do“: [{„do“: „12:00“, „od“: „11:00“}, {„do“: „18:00“, „od“: „13:00“}]},
      {„od_do“: [{„do“: „12:00“, „od“: „11:00“}, {„do“: „18:00“, „od“: „13:00“}]},
      {„od_do“: [{„do“: „12:00“, „od“: „11:00“}, {„do“: „18:00“, „od“: „13:00“}]},
      „“
    ],
    „parking“: false,
    „fulltext“: „10000 praha 10 hlavni mesto pra... /* zkraceno */“,
    „phone“: „+420777123456“
  }
}
```

NOTE The parameter "Phone" with the attribute "True" should only be used if phone number is not among the compulsory details required by your online store. Email address must be provided if the delivery to a Balíkovna outlet is to be successful, and we recommend to use a mobile phone number as well.

Creation of an address, address label and description of the structure of the JavaScript object FormData event.

Consignments sent to Balíkovna outlets must have the **recommended address format**. The word “Balíkovna” must be implemented in the address format; the street name from the parameter “address” will not be used in the address. **PLEASE NOTE!** Always use the postcode included in the “zip” parameter instead of the postcode included in the “address” parameter!

➔ Parameters necessary to create an address label

The corresponding JavaScript object FormData event also contains optional parameters that are not necessary for the creation of an address label.

FILE STRUCTURE	Name of parameter	Description	Example 1	Example 2
			Balíkovna outlets located at post office	Balíkovna outlets at other locations
	ZIP	Postcodes of available Balíkovna outlets	16000 Always include the postcode of the outlet in the address label	10030 Always include the postcode of the outlet in the address label
	NAME	Name of the Balíkovna outlet	Praha 6	Praha 10 SAZKA Cukrárna
	ADDRESS / TYPE	Address and type of the Balíkovna outlet	The address format for delivery of the consignment to the Balíkovna outlet does not contain the full address of the outlet; instead, it contains only the word “BALÍKOVNA.” See below for more information on how to create the delivery address.	

NOTE The parameter “Address/Type” may have various values specifying the location of the selected Balíkovna outlet, such as location at a post office, at another place, at a depot, or in the network of Sazka outlets. The parameter does not affect the address label of the consignment.

Recommended address format for consignments sent to Balíkovna outlets

EXAMPLE 1. AT POST OFFICES

Jan Novák
+420 777 123 456
BALÍKOVNA
160 00 Praha 6

Jan Novák	Consignment recipient's name
+420 777 123 456	Optional data
BALÍKOVNA	Compulsory data
160 00 PRAHA 6	Postcode and outlet name parameters “ZIP” and “NAME”

EXAMPLE 2. OTHER LOCATIONS

Jan Novák
+420 777 123 456
BALÍKOVNA
100 30 Praha 10 SAZKA Cukrárna

Jan Novák	Consignment recipient's name
+420 777 123 456	Optional data
BALÍKOVNA	Compulsory data
100 30 Praha 10 SAZKA Cukrárna	Postcode and outlet name parameters “ZIP” and “NAME”

OZNAČENÍ TEL. FIDELITY	 Balkovna	PP: 130 00
	Aleš Kotrla U Kostela 24 140 00 Praha 4	 +420606777888
ADRESA TEL.	<div><div>Jan Novák Balkovna 160 00 Praha 6</div></div>	<div> +42073615736</div>
		
Pozn:		
		
NB 02369479 05 M		

➔ Example of an address label for Balíkovna outlets

Follow the instructions for the correct creation of an address label when printing an address label for consignments destined to Balíkovna outlets. You can find the current version of documentation including the graphic objects necessary for its creation [on Czech Post's website](#).

☐ Addressee's mobile phone number

We recommend to use the parameter "Phone" to obtain the addressee's mobile phone number if your online store does not require any phone number before the completion of the order.

Designation of outlet

The code word "Balíkovna" is used in the address section instead of the exact street address. The parameters "ZIP" and "NAME" are used for detailed designation of the Balíkovna outlet selected by the customer for delivery of the consignment.

➔ Other information about the selected outlet

The corresponding JavaScript object FormData event also contains **optional parameters** that contain information about the selected Balíkovna outlet. Creating **an address label is neither important nor compulsory** for further data processing. The information can be further used during communication with the customer, e.g. information about the opening hours.

FILE STRUCTURE	Name of parameter	Description	Example 1	Example 2
			Balíkovna outlets located at post office	Balíkovna outlets at other locations
	ADDRESS	Address	Kafkova 102/19, Dejvice, 16000 , Praha 6 The outlet has the same postcode as the municipal district. However, it differs for most outlets.	Vajdova 1047/25, Hostivař, 10030 , Praha 10 This outlet has a postcode different from the municipal district's one. The postcode cannot be used in the address label but can be used for search purposes.
	TYP	Outlet type (depot, post office, Partner outlets, Balíkovna-BOX)	Praha 6	Praha 10 SAZKA Cukrárna
	OPENING_HOURS	Opening hours for each day of the week	10:00-12:00 13:00-18:00 08:00-12:00 13:00-16:00 10:00-12:00 13:00-18:00 08:00-12:00 13:00-16:00 08:00-12:00 13:00-16:00 08:00-12:00	09:00-18:00 09:00-18:00 09:00-18:00 09:00-18:00 09:00-18:00 09:00-18:00 10:00-18:00
	SOUR_X_WGS84	Coordinate X in WGS-84 format	14.358436	14.520255
	SOUR_Y_WGS84	Coordinate Y in WGS-84 format	49.983982	50.047475
	COORDS	Coordinate Y, X in JTSK format	1053798.76, 748841.2	1048381.06, 736391.24
	DISTRICT	Region	City of Prague	City of Prague
	MUNICIPALITY_DISTRICT_NAME	Municipal district name	Dejvice	Hostivař
	MUNICIPALITY_NAME	Municipality name	Prague	Prague
	DISTANCEMETERS	Distance from the selected point on the map	1280.130	1280.130
	PHONE	Mobile phone number	The parameter "Phone" contains a value if the attribute "True" is selected. Otherwise, the field is always empty. See the description in the section "Passing parameters to a Script tag" for more information.	
	DESCRIPTION	It serves for a more detailed description	Post office Kafkova	Next to bus station

NOTE The data for this service provided to Czech Post must always include the addressee's email address. Mobile phone number is not required but can also be provided.

