

Samples for using MPL API

(an annex to devportal.posta.hu)

Query zip code(s) belonging to a city

POST <https://sandbox.api.posta.hu/v2/mplapi/addresses/cityToZipCode>

```
{
  "city": "Szolnok"
}
```

Validating a zip-code (Does this zip exist?)

POST <https://sandbox.api.posta.hu/v2/mplapi/addresses/zipToCityCode>

```
{
  "city": "5000"
}
```

Query pick-up points

POST <https://sandbox.api.posta.hu/v2/mplapi/deliveryPlace>

```
{
  "deliveryplacesQuery": {"city": "Szolnok"},
  "servicePointType": ["CS"]
}
```

Query all of the pick-up points

POST <https://sandbox.api.posta.hu/v2/mplapi/deliveryPlace>

```
{
  "deliveryplacesQuery": {
    "city": ""
  },
}
```

Reports on dispatched packages

POST <https://sandbox.api.posta.hu/v2/mplapi/reports>

```
{
  "dateFrom": "2021-10-03",
  "dateTo": "2021-10-04",
  "type": "FUGGO",
  "format": "JSON"
}
```

Reports on packages having a final state

POST <https://sandbox.api.posta.hu/v2/mplapi/reports>

```
{
  "dateFrom": "2021-10-03",
  "dateTo": "2021-10-04",
  "type": "VEGALLAPOT",
  "format": "JSON"
}
```

Tracking note:

These reports are generated with some latency (based on the previous day's events), and only include the successfully accepted parcels.

If you are looking for a faster flow of information, and even about parcels that have not yet been accepted, you should learn about our [Tracking solutions](#), offering both poll and push methods.

Reports on settled CODs

POST <https://sandbox.api.posta.hu/v2/mplapi/reports>

```
{
  "dateFrom": "2021-10-03",
  "dateTo": "2021-10-04",
  "type": "UTALASI",
  "format": "JSON"
}
```

Submitting a shipment, in case of **delivery to the door**

POST <https://sandbox.api.posta.hu/v2/mplapi/shipments>

with COD:

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1084",
        "city": "Budapest",
        "address": "Fecske utca 1",
        "remark": "Nem jó a csengő, dudáljon a futár"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ", "K_UVT"],
          "cod": 4200,
          "value": 4200,
          "deliveryMode": "HA"
        }
      }
    ],
    "packageRetention": 5
  }
]
```

without COD:

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1084",
        "city": "Budapest",
        "address": "Fecske utca 1",
        "remark": "Nem jó a csengő, dudáljon a futár"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ", "K_UVT"],
          "cod": 4200,
          "value": 4200,
          "deliveryMode": "HA"
        }
      }
    ],
    "packageRetention": 5
  }
]
```

bank account to be submitted always, even if without COD

Submitting a shipment, in case of delivery ...

POST <https://sandbox.api.posta.hu/v2/mplapi/shipments>

... at a post office (PM):

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "5002",
        "city": "Szolnok",
"address": "Fecske utca 1"
        "parcelPickupSite": "Szolnok 2 posta"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "PM"
        }
      }
    ],
    "packageRetention": 5
  }
]
```

... at a parcel terminal (CS):

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1871",
        "city": "Budapest",
"address": "Fecske utca 1"
        "parcelPickupSite": "8 sz. automata - Campona"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "CS"
        },
        "size": "M"
      }
    ],
    "packageRetention": 5
  }
]
```

if „CS”,
then both fields
are mandatory

Note: The field of "parcelPickupSite" can be filled both with a name (string) or an id (numbers)!

| "parcelPickupSite": "8 sz. automata - Campona"

same as

| "parcelPickupSite": "105869"

Submitting a shipment, in case of delivery ...

POST <https://sandbox.api.posta.hu/v2/mplapi/shipments>

... at another pick-up point (PP):

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1871",
        "city": "Budapest",
"address": "Fecske utca 1"
        "parcelPickupSite": "12063 sz. MOL töltőállomás"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "PP"
        }
      }
    ],
    "packageRetention": 5
  }
]
```

... on pallet (RA):

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "5002",
        "city": "Szolnok",
        "address": "Fecske utca 1"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 642500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "RA"
        }
      }
    ],
    "packageRetention": 0
  }
]
```

if „RA”,
then retention= 0,
or omitted

Note: The field of "parcelPickupSite" can be filled both with a name (string) or an id (numbers)!

| "parcelPickupSite": "12063 sz. MOL töltőállomás"

same as

| "parcelPickupSite": "106455"

Submitting a return shipment

POST <https://sandbox.api.posta.hu/v2/mplapi/shipments>

INVERSE, only 1 coming back parcel:

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1084",
        "city": "Budapest",
        "address": "Fecske utca 1"
      },
      "parcelTerminal": "true"
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_INV"],
          "value": 4200,
          "deliveryMode": "HA"
        },
        "size": "M"
      }
    ],
    "packageRetention": 5
  }
]
```

EXCHANGE (1 outbound + 1 coming back):

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1084",
        "city": "Budapest",
        "address": "Fecske utca 1",
        "remark": "Nem jó a csengő, dudáljon a futár"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {
          "value": 1500,
          "unit": "G"
        },
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_CSE"],
          "value": 4200,
          "deliveryMode": "HA"
        },
        "replacementPackage": {
          "customData1": "Megrendelés: 26B22GR",
          "extra": ["K_INV", "K_ENY", "K_CSA"],
          "weight": {"value": 1, "unit": "G"},
          "value": "4200"
        }
      }
    ],
    "packageRetention": 5
  }
]
```

Megjegyzés:

> In case of INVERSE shipments, a non-real data also can be submitted for the weight, as MPL will weigh it.

> The label of INVERSE can be achieved only in A4 layout ("labelType": "A4")

> An INVERSE shipment can also be dispatched even from a parcel terminal, not only from post offices, but only if "parcelTerminal": "true", and the achieved dispatchId (8 digit) is brought to the customer.

> In case of EXCHANGE a manifest of the INVERSE parcel will also be included in the response. This A4 size label should be printed, inserted into an openable pouch and attached to the outside of the package, taking care to avoid accidental scanning.

Submitting a shipment, in case of **more than one item** in the parcel, and...

POST <https://sandbox.api.posta.hu/v2/mplapi/shipments>

recommended only
if there is no COD
(like B2B relations)

... all items are **to be delivered together**:

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1084",
        "city": "Budapest",
        "address": "Fecske utca 1",
        "remark": "Nem jó a csengő, dudáljon a futár"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ", "K_UVT"],
          "cod": 8400,
          "value": 4200,
          "deliveryMode": "HA"
        }
      },
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "HA"
        }
      }
    ],
    "groupTogether": "true",
    "packageRetention": 5
  }
]
```

... the items do **not need to be delivered together**:

```
[
  {
    "developer": "xy dev studio",
    "webshopId": "0",
    "orderId": "string",
    "sender": {
      "agreement": "55312925",
      "accountNo": "111122223333444400000000",
      "contact": {
        "name": "Minta Webshop",
        "email": "info@minta.hu",
        "phone": "+3611234567"
      },
      "address": {
        "postCode": "1138",
        "city": "Budapest",
        "address": "Dunavirág utca 2."
      }
    },
    "paymentMode": "UV_AT",
    "tag": "software of warehouse in Budapest",
    "recipient": {
      "contact": {
        "name": "John Smith",
        "email": "john@smith.hu",
        "phone": "+36201234567"
      },
      "address": {
        "postCode": "1084",
        "city": "Budapest",
        "address": "Fecske utca 1",
        "remark": "Nem jó a csengő, dudáljon a futár"
      }
    },
    "item": [
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "HA"
        }
      },
      {
        "customData1": "Megrendelés: 26B22GR",
        "customData2": "Vevőkód: 14433344",
        "weight": {"value": 1500, "unit": "G"},
        "services": {
          "basic": "A_175_UZL",
          "extra": ["K_ENY", "K_ORZ"],
          "value": 4200,
          "deliveryMode": "HA"
        }
      }
    ],
    "groupTogether": "false",
    "packageRetention": 5
  }
]
```

Closing shipments

POST <https://sandbox.api.posta.hu/v2/mplapi/shipments/close>

ESSENTIAL!
and better to provide it
as a button, rather than
a scheduled task

Important!

Shipment can not be processed, so they can not be forwarded to the recipients, if the close is missing.

With other words, the close is **obligatory** – however we kindly ask you not to post single requests for each shipments, right after submitting it. A proper approach is to consider it as a kind of end-of-the-day close, when closing all the parcels which are to be dispatched at once, at the same time and at the same place.

Here you can find samples:

Closing a group with the same Tag:

```
{
  "tag": „software of warehouse in Budapest”,
  "checkList": true
}
```

Closing with enlisted shipments:

```
{
  "trackingNumbers": [
    "PBABC50000122",
    "PBABC50000135",
    "PBABC50000148"
  ],
  "checkList": true
}
```

Closing a group with the same submitting date:

```
{
  "fromDate": "2024-01-02",
  "toDate": "2024-01-03",
  "checkList": true
}
```

Closing all pending shipments:

```
{
}
```

Repeating a response of a former close request:

(it may be needed when there is a time-out due to a very long list of shipments)

```
{
  "requestId": "b9229805-a07f-4de4-aed5-8f5d2fbeb3bd"
}
```

an ID of a previous request
posted on the same day
or on the day before

Note:

- > The INVERSE parcels are recommended to be closed as soon as possible, in a single close request, in order to make it dispatchable.
- > In case of INVERSE shipments the response does not include a manifest (pdf), since it is not necessary to print.

Good to know:

- > The pending shipments can be queried:
GET <https://sandbox.api.posta.hu/v2/mplapi/shipments>
- > After closing, the parcels disappear from MPL API database, but become traceable with one of the three [Tracking methods](#).

Collection:

- > Closing do not trigger a truck to go out and pick up parcels.
- > If regular collection agreed, there is nothing to do. Closing must of course be done, but no need to request collection. We pick them up!
- > If occasional (a not pre-arranged) collection would be required, then contact us to learn about how to develop a special email.