

MTR Bus API Specification

**Version 1.4
27 September 2022**

© MTR CORPORATION LIMITED 2021.

All rights reserved. Reproduction of this work or any party of it by whatever means is not permitted without the prior written consent of MTR Corporation Limited.



[All content of this material including the text, images and graphics, is confidential and is the property of MTR Corporation Limited and protected by law. You must not disclose this material in whole or in part to third parties without the authorisation of MTR Corporation Limited and you may only use the materials for the purpose agreed with or authorized by MTR Corporation Limited.]

Version	Details of Change	Effective Date
1.0	Initial Release	30 Sept 2021
1.1	Minor Revision	14 Feb 2022
1.2	Minor Revision	1 Aug 2022
1.3	Minor Revision	29 Aug 2022
1.4	Minor Revision	27 Sept 2022

Table of Contents

1. Introduction 4

2. API.....4

1. Introduction

The MTR Bus Next Bus API provides MTR Bus estimated time arrival data by selected route

2. API

API Type: REST

HTTP Method: POST

Resource URL: <https://rt.data.gov.hk/v1/transport/mtr/bus/getSchedule>

Parameters:

The following tables show the required variables when using the API. Valid result will be returned only if both parameter 1(language) and parameter 2(routeName) is correct.

Parameter 1 (language)	Description
en	English
zh	Traditional Chinese

Parameter 2 (routeName)	Data Type	Description
506	String	Tuen Mun Ferry Pier to Siu Lun
K12		Tai Po Market Station to Eightland Garden
K14		Tai Po Mega Mall to Tai Po Market Station
K17		Tai Po Market Station to Fu Shin
K18		Tai Po Market Station to Kwong Fuk
K51		Fu Tai to Tai Lam
K51A		Fu Tai to So Kwun Wat
K52		Tuen Mun Station to Lung Kwu Tan
K52A		Tuen Mun Station to Tsang Tsui
K53		Tuen Mun Station to So Kwun Wat (Circular)
K54		Wo Tin Estate to Tuen Mun Town Centre (Circular)
K58		Fu Tai to Castle Peak Bay
K65		Yuen Long Station to Lau Fau Shan
K65A		Tin Shui Wai Station to Lau Fau Shan
K66		Long Ping to Tai Tong Wong Nai Tun Tsuen
K68		Yuen Long Industrial Estate to Yuen Long Park (Circular)
K73		Tin Heng to Yuen Long West
K74		Tin Shui Wai Town Centre to Au Tau (Circular)
K75A		Tin Shui Wai Station to Hung Shui Kiu (Circular)
K75P		Tin Shui to Hung Shui Kiu (Circular)
K76		Tin Heng to Tin Shui Wai Station

**** routeName included list of MTR Bus routes; this does not reflect the availability of the routes.**

Response Code:

HTTP code	Definition
200	Success
400	Bad Request
429	Too Many Requests
500	Internal Server Error

Example Request:

```
{
  "language": "zh",
  "routeName": "K12"
}
```

Example Response:

```
{
  "appRefreshTimeInSeconds": "60",
  "busStop": [
    {
      "bus": [
        {
          "arrivalTimeInSeconds": "108000",
          "arrivalTimeText": "",
          "busId": "804",
          "busLocation": {
            "latitude": 0,
            "longitude": 0
          },
          "busRemark": null,
          "departureTimeInSeconds": "38",
          "departureTimeText": "Departing / Departed",
          "isDelayed": "0",
          "isScheduled": "1",
          "lineRef": "K12_TPMS"
        },
        {
          "arrivalTimeInSeconds": "108000",
          "arrivalTimeText": "",
          "busId": "807",
          "busLocation": {
            "latitude": 0,
            "longitude": 0
          },
          "busRemark": null,
          "departureTimeInSeconds": "638",
          "departureTimeText": "10 minutes",
          "isDelayed": "0",
          "isScheduled": "1",
          "lineRef": "K12_TPMS"
        },
        {
          "arrivalTimeInSeconds": "108000",
          "arrivalTimeText": "",
          "busId": "819",
          "busLocation": {
            "latitude": 0,
            "longitude": 0
          }
        }
      ]
    }
  ]
}
```

```

    },
    "busRemark": null,
    "departureTimeInSecond": "1238",
    "departureTimeText": "20 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  },
  {
    "arrivalTimeInSecond": "108000",
    "arrivalTimeText": "",
    "busId": "804",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    },
    "busRemark": null,
    "departureTimeInSecond": "1838",
    "departureTimeText": "30 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  },
  {
    "arrivalTimeInSecond": "108000",
    "arrivalTimeText": "",
    "busId": "807",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    },
    "busRemark": null,
    "departureTimeInSecond": "2438",
    "departureTimeText": "40 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  }
],
"busIcon": null,
"busStopId": "K12-D010",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,
"busStopStatusTime": null,
"isSuspended": "0"
},
{
  "bus": [
    {

```

```
    "arrivalTimeInSecond": "207",
    "arrivalTimeText": "3 minutes",
    "busId": "804",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    },
    "busRemark": null,
    "departureTimeInSecond": "294",
    "departureTimeText": "4 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  },
  {
    "arrivalTimeInSecond": "807",
    "arrivalTimeText": "13 minutes",
    "busId": "807",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    },
    "busRemark": null,
    "departureTimeInSecond": "894",
    "departureTimeText": "14 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  },
  {
    "arrivalTimeInSecond": "1407",
    "arrivalTimeText": "23 minutes",
    "busId": "819",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    },
    "busRemark": null,
    "departureTimeInSecond": "1494",
    "departureTimeText": "24 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  },
  {
    "arrivalTimeInSecond": "1991",
    "arrivalTimeText": "33 minutes",
    "busId": "804",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    }
```

```

    },
    "busRemark": null,
    "departureTimeInSecond": "2081",
    "departureTimeText": "34 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  },
  {
    "arrivalTimeInSecond": "2591",
    "arrivalTimeText": "43 minutes",
    "busId": "807",
    "busLocation": {
      "latitude": 0,
      "longitude": 0
    },
    "busRemark": null,
    "departureTimeInSecond": "2681",
    "departureTimeText": "44 minutes",
    "isDelayed": "0",
    "isScheduled": "1",
    "lineRef": "K12_TPMS"
  }
],
"busIcon": null,
"busStopId": "K12-D020",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,
"busStopStatusTime": null,
"isSuspended": "0"
},
{
  "bus": [
    {
      "arrivalTimeInSecond": "495",
      "arrivalTimeText": "8 minutes",
      "busId": "804",
      "busLocation": {
        "latitude": 0,
        "longitude": 0
      },
      "busRemark": null,
      "departureTimeInSecond": "506",
      "departureTimeText": "8 minutes",
      "isDelayed": "0",
      "isScheduled": "1",
      "lineRef": "K12_TPMS"
    },
  ],
  {

```

```

        "arrivalTimeInSecond": "1095",
        "arrivalTimeText": "18 minutes",
        "busId": "807",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "1106",
        "departureTimeText": "18 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    },
    {
        "arrivalTimeInSecond": "1695",
        "arrivalTimeText": "28 minutes",
        "busId": "819",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "1706",
        "departureTimeText": "28 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    },
    {
        "arrivalTimeInSecond": "2283",
        "arrivalTimeText": "38 minutes",
        "busId": "804",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "2294",
        "departureTimeText": "38 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    }
],
"busIcon": null,
"busStopId": "K12-D030",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,

```

```
"busStopStatusTime": null,
"isSuspended": "0"
},
{
  "bus": [
    {
      "arrivalTimeInSecond": "0",
      "arrivalTimeText": "Arriving / Departed",
      "busId": "819",
      "busLocation": {
        "latitude": 22.4441120000000004,
        "longitude": 114.1698215
      },
      "busRemark": null,
      "departureTimeInSecond": "-103",
      "departureTimeText": "Departing / Departed",
      "isDelayed": "0",
      "isScheduled": "1",
      "lineRef": "K12_TPMS"
    },
    {
      "arrivalTimeInSecond": "507",
      "arrivalTimeText": "8 minutes",
      "busId": "804",
      "busLocation": {
        "latitude": 0,
        "longitude": 0
      },
      "busRemark": null,
      "departureTimeInSecond": "0",
      "departureTimeText": "Departing / Departed",
      "isDelayed": "0",
      "isScheduled": "1",
      "lineRef": "K12_TPMS"
    },
    {
      "arrivalTimeInSecond": "1107",
      "arrivalTimeText": "18 minutes",
      "busId": "807",
      "busLocation": {
        "latitude": 0,
        "longitude": 0
      },
      "busRemark": null,
      "departureTimeInSecond": "0",
      "departureTimeText": "Departing / Departed",
      "isDelayed": "0",
      "isScheduled": "1",
      "lineRef": "K12_TPMS"
    }
  ]
}
```

```

        "arrivalTimeInSecond": "1707",
        "arrivalTimeText": "28 minutes",
        "busId": "819",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "0",
        "departureTimeText": "Departing / Departed",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    },
    {
        "arrivalTimeInSecond": "2294",
        "arrivalTimeText": "38 minutes",
        "busId": "804",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "0",
        "departureTimeText": "Departing / Departed",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_TPMS"
    }
],
"busIcon": null,
"busStopId": "K12-D040",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,
"busStopStatusTime": null,
"isSuspended": "0"
},
{
    "bus": [
        {
            "arrivalTimeInSecond": "108000",
            "arrivalTimeText": "",
            "busId": "807",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "38",

```

```

        "departureTimeText": "Departing / Departed",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "108000",
        "arrivalTimeText": "",
        "busId": "819",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "638",
        "departureTimeText": "10 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "108000",
        "arrivalTimeText": "",
        "busId": "804",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "1238",
        "departureTimeText": "20 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "108000",
        "arrivalTimeText": "",
        "busId": "807",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "1838",
        "departureTimeText": "30 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {

```

```

        "arrivalTimeInSecond": "108000",
        "arrivalTimeText": "",
        "busId": "819",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "2438",
        "departureTimeText": "40 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    }
],
"busIcon": null,
"busStopId": "K12-U010",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,
"busStopStatusTime": null,
"isSuspended": "0"
},
{
    "bus": [
        {
            "arrivalTimeInSecond": "263",
            "arrivalTimeText": "4 minutes",
            "busId": "807",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "325",
            "departureTimeText": "5 minutes",
            "isDelayed": "0",
            "isScheduled": "1",
            "lineRef": "K12_EG"
        },
        {
            "arrivalTimeInSecond": "863",
            "arrivalTimeText": "14 minutes",
            "busId": "819",
            "busLocation": {
                "latitude": 0,
                "longitude": 0
            },
            "busRemark": null,
            "departureTimeInSecond": "925",

```

```

        "departureTimeText": "15 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "1463",
        "arrivalTimeText": "24 minutes",
        "busId": "804",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "1525",
        "departureTimeText": "25 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "2083",
        "arrivalTimeText": "34 minutes",
        "busId": "807",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "2142",
        "departureTimeText": "35 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "2683",
        "arrivalTimeText": "44 minutes",
        "busId": "819",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "2742",
        "departureTimeText": "45 minutes",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    }
],

```

```
"busIcon": null,
"busStopId": "K12-U020",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,
"busStopStatusTime": null,
"isSuspended": "0"
},
{
  "bus": [
    {
      "arrivalTimeInSecond": "496",
      "arrivalTimeText": "8 minutes",
      "busId": "807",
      "busLocation": {
        "latitude": 0,
        "longitude": 0
      },
      "busRemark": null,
      "departureTimeInSecond": "0",
      "departureTimeText": "Departing / Departed",
      "isDelayed": "0",
      "isScheduled": "1",
      "lineRef": "K12_EG"
    },
    {
      "arrivalTimeInSecond": "1096",
      "arrivalTimeText": "18 minutes",
      "busId": "819",
      "busLocation": {
        "latitude": 0,
        "longitude": 0
      },
      "busRemark": null,
      "departureTimeInSecond": "0",
      "departureTimeText": "Departing / Departed",
      "isDelayed": "0",
      "isScheduled": "1",
      "lineRef": "K12_EG"
    },
    {
      "arrivalTimeInSecond": "1696",
      "arrivalTimeText": "28 minutes",
      "busId": "804",
      "busLocation": {
        "latitude": 0,
        "longitude": 0
      },
      "busRemark": null,
      "departureTimeInSecond": "0",
```

```

        "departureTimeText": "Departing / Departed",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    },
    {
        "arrivalTimeInSecond": "2338",
        "arrivalTimeText": "38 minutes",
        "busId": "807",
        "busLocation": {
            "latitude": 0,
            "longitude": 0
        },
        "busRemark": null,
        "departureTimeInSecond": "0",
        "departureTimeText": "Departing / Departed",
        "isDelayed": "0",
        "isScheduled": "1",
        "lineRef": "K12_EG"
    }
],
"busIcon": null,
"busStopId": "K12-U030",
"busStopRemark": null,
"busStopStatus": null,
"busStopStatusRemarkContent": null,
"busStopStatusRemarkTitle": null,
"busStopStatusTime": null,
"isSuspended": "0"
}
],
"caseNumber": 0,
"caseNumberDetail": "",
"footerRemarks": "System testing in progress. Estimated arrival time may vary from actual arrival time. Please allow sufficient time for travel. Schedule and arrival times are for reference only and are subject to change depending on traffic conditions and service delivery.",
"routeColour": "",
"routeName": "K12",
"routeStatus": "0",
"routeStatusColour": "black",
"routeStatusRemarkContent": null,
"routeStatusRemarkFooterRemark": "",
"routeStatusRemarkTitle": null,
"routeStatusTime": "2021/08/24 11:29",
"status": "0"
}

```