

MTR Bus API Specification

**Version 1.0
30 Sept 2021**

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Version	Details of Change	Effective Date
1.0	Initial Release	30 Sept 2021

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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 (Circular)
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
K52		Tuen Mun Station to Lung Kwu Tan
K52A		Tuen Mun Station to Tsang Tsui
K53		Tuen Mun Station to So Kwun Wat (Circular)
K58		Fu Tai to Castle Peak Bay
K65		Yuen Long 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 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": 22.444112000000004,
          "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"
}

```