

MTR Bus API Specification

Version 1.2
1 August 2022

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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



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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
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)
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
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"
}

```