BVE Trainsim
Uchibo Line
User Guide

内房線制作チーム
(Uchibo line Production team)

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Introduction

- BVE Trainsim Uchibo Line Add-on includes the map pack of JR Uchibo line and E217 rolling stock.

- This add-on is developed as an introductory scenario for Japan Railway lines and their rolling stocks on BVE Trainsim 5 and 6.

- We encourage you to enjoy driving experiences with this add-on, and hope this will help you develop your own map and rolling stock on BVE Trainsim.

Disclaimer

⚠ This train operating procedures described in this document are for BVE Trainsim purpose only, and may be different from real train operations.

⚠ We do not bear any responsibility for your own use of this add-on and any other materials or information.

Compatibility

Please make sure that your PC satisfies the following system requirements and BVE Trainsim 5.8 or 6.0 (or later) run without issues. Virtual Machines are not supported.

System Requirements

BVE Trainsim Version	5.8	6.0 or later
Operating System	Windows 10(32bit/64bit) Windows 8.1 Update1(32bit/64bit)	Windows 10(64bit) Windows 8.1 Update1(64bit)
Processor	Intel Core Processors (4th or later)	Intel Core Processors (4th or later)
Memory	At least 1GB available memory	At least 1GB available memory
Graphics	Graphic Processors Units Compatible with Microsoft DirectX 9.0c and higher (including System-on-chip GPUs)	Graphic Processors Units Compatible with Microsoft DirectX 9.0c and higher (including System-on-chip GPUs)

Map Overview

BVE Trainsim Uchibo Line features the below 13.1 kilometers journey from Chiba to Goi on the JR Uchibo Line.

| 千葉 Chiba | 本千葉 Honchiba | 蘇我 Soga | 浜野 Hamano | 八幡宿 Yawatajuku | 五井 Goi |

| Track Gradient | Less than 10 per mil |
| Safety Equipment | ATS-P |
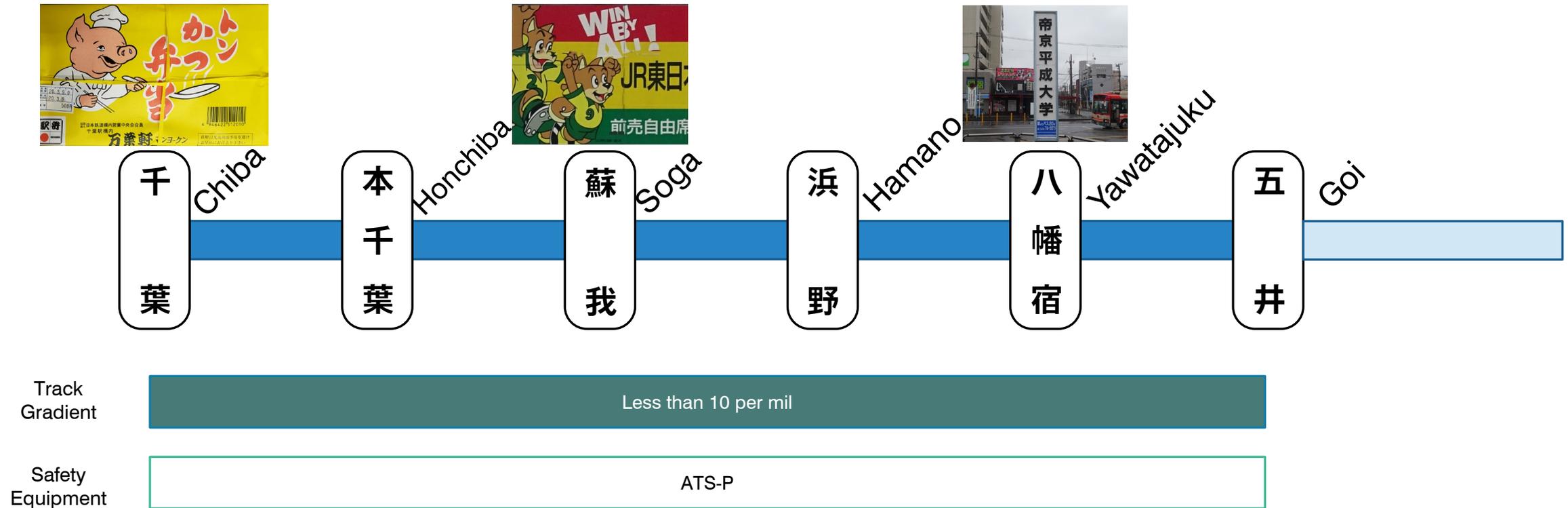
Scenario

The standard scenarios is 3793F, a rapid service with E217 electric multiple unit.

Train Reporting Number	3793F
Rolling Stock	E217 Electric Multiple Unit 15 cars
Train Class	Express-Electric A18
Controller Positions	Power 5 steps Brake 8 steps Emergency Brake
Journey from/to	Chiba - Goi (approx. 13.1km)
Duration	20 minutes
Safety Equipment	ATS-P

Installation

1. Double click on executable compressed archive file.

2. Choose your folder to extract scenario files and click 'Extract'.

3. Launch BVE Trainsim and choose the path.
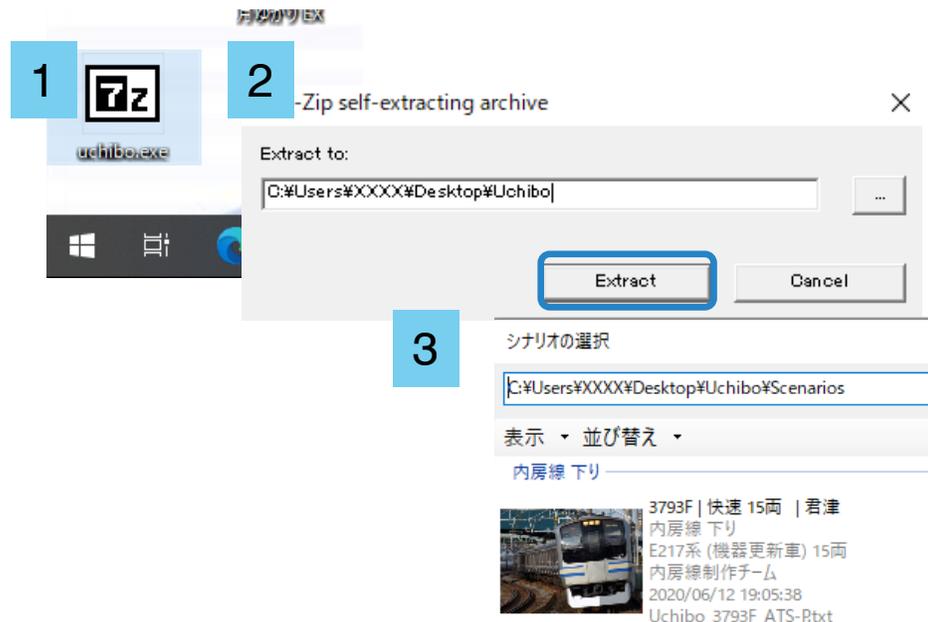
Windows Smart Screen Filter may block executing downloaded archive.

(1) Choose 'more info'

(2) Run anyway

Key Assignment

■ Cab controllers and switches are assigned as following:

Master Controller Lever		Brake Lever		Driving Direction		Horns	
A	Power Reduction(-)	A	Brake Release (-)	↑	Forward	Enter	Supplemental Horn (Electronic)
Z	Power Increase(+)	Q	Brake Apply (+)	↓	Backward	+	Main Horn (Compressed Air)
		1	Emergency Brake				

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Cab Switches

■The following miscellaneous switches will be necessary for Uchibo Line.

For all other switches, please refer ATS document available in "scenarios¥Uchibo20¥documents¥ATS" folder.

| Key	Function	Description
Delete	EB Reset	"EB" is a dead man's switch which is activated after 60 seconds running with no activity.　When the EB alarm is activated, press this key to reset, otherwise emergency brake will be applied.
Back Space	Cruise Control	This functionality automatically keeps train speed at level or uphill track. This can be activated (1) if the train speed is higher than 50km/h and (2) master controller position is [P5]. Note that it does not work as holding brake at downhill track.
Home	ATS Reset	To reset ATS-P (see page 10 and 11) brake, manually move brake handle to the adequate position below then press this key. ブレーキ動作(Service Brake; Yellow)：[B1]- [B8] Position ATS-P非常(Emergency Brake; Red) : Emergency Brake Position
F3	Timetable	Hide or show onscreen timetable.

ATS(Automatic Train Stop)

ATS-P

■On Uchibo Line, ATS-P is used as train protection system. ATS-P provides (1) red signal protection and (2) over speed protection for curve and point/turnout with gradually reducing curve (so called "Pattern").

■ When the train approaches near the pattern, ATS-P notifies driver with bell and yellow lamp "パターン接近".

   ■If the driver reducing their train speed accordingly, no additional operation is necessary.

■When the train runs faster than the pattern, ATS-P applies service brake and notifies driver by bell and yellow lamp "ブレーキ動作"

Train speed

Pattern against Red Signal
If the train speed exceed this "pattern" curve, ATS-P will apply service brake.
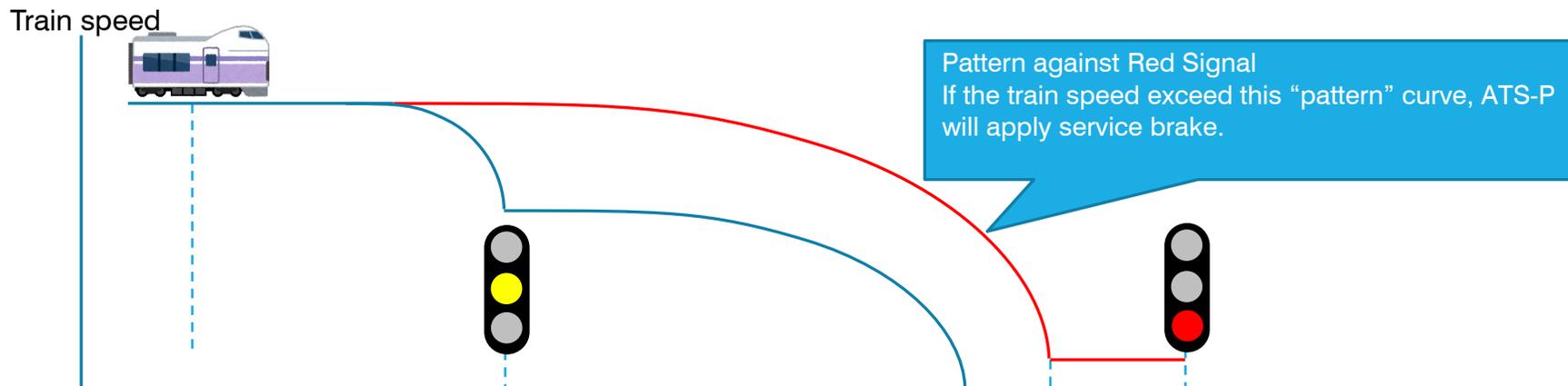
Train Protection Equipment

ATS-P Display

■ ATS-P notifications are displayed on screen.

【パターン接近】
This lamp shows the train speed is near the pattern speed.

【ブレーキ動作】
This lamp shows ATS-P has applied service brake.
To resume operation, set the brake handle to Service Brake positions (B1-B8) then press [Home] key.

【ATS-P非常】
This lamp shows your train passed signal at danger.
To resume operation, set the brake handle to Emergency Brake position and press [Home] key.
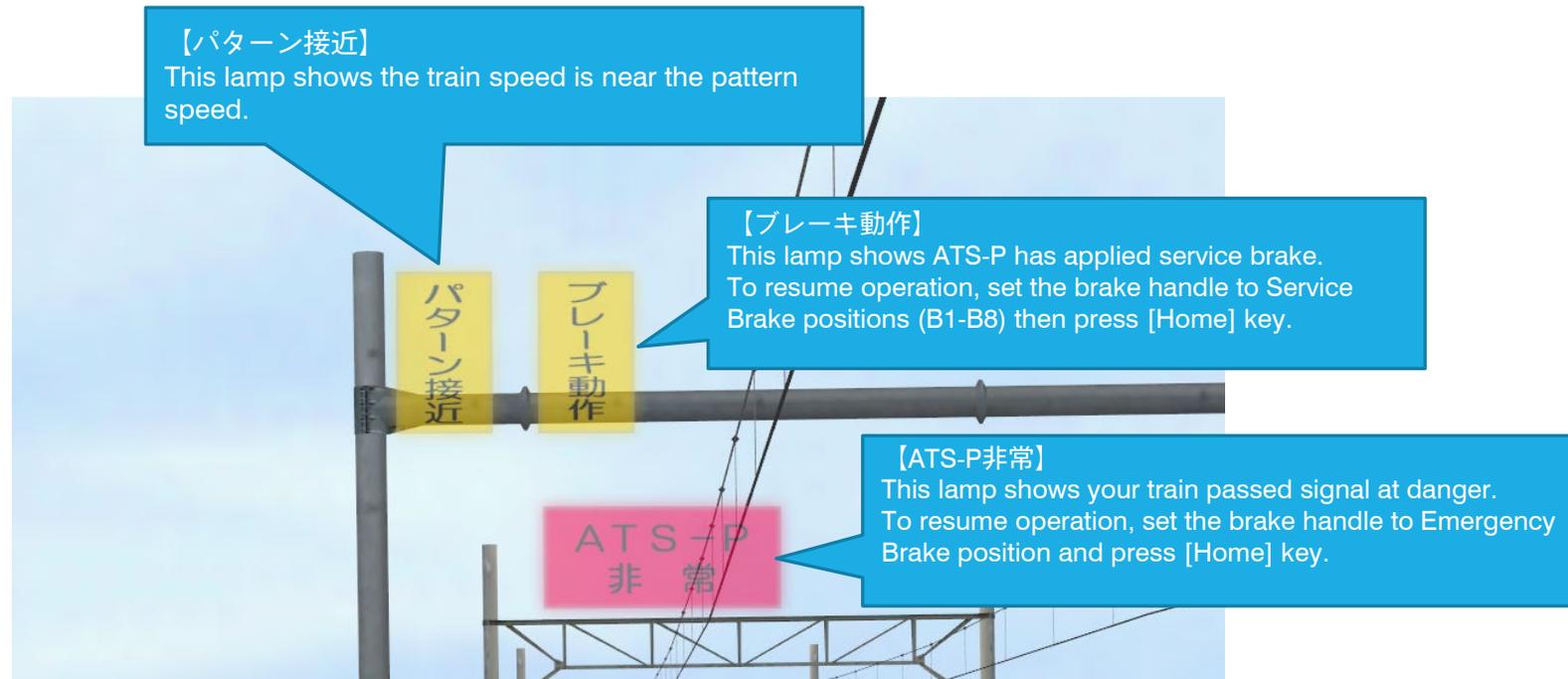
Signaling System

Wayside signals display 5 patterns of aspects.

Each of them has speed limit and it varies on which section you are driving.

	Clear	Reduced Speed	Caution	Speed Restriction	Stop
Soga to Goi	Proceed at line speed (110km/h)(*1)	75km/h	55km/h	25km/h	Stop
Chiba to Soga	Proceed at line speed (95km/h)	65km/h	45km/h	25km/h	Stop

(*1)In the case of E217 EMU

Speed Limit Signs (1 of 2)

■Follow any wayside speed limit signs from "Begin" sign to "End" sign.

  ■Speed limit is effective for the entire length of the train. You must keep your speed until the tail of your train get out of the speed limit length.

  ■Speed limit end sign may be omitted if the length is less than 100 meters.

Speed Limit Begin Sign
95km/h for 632 meters length

Speed Limit End Sign

Train Speed

Speed Limit Length   Train Length
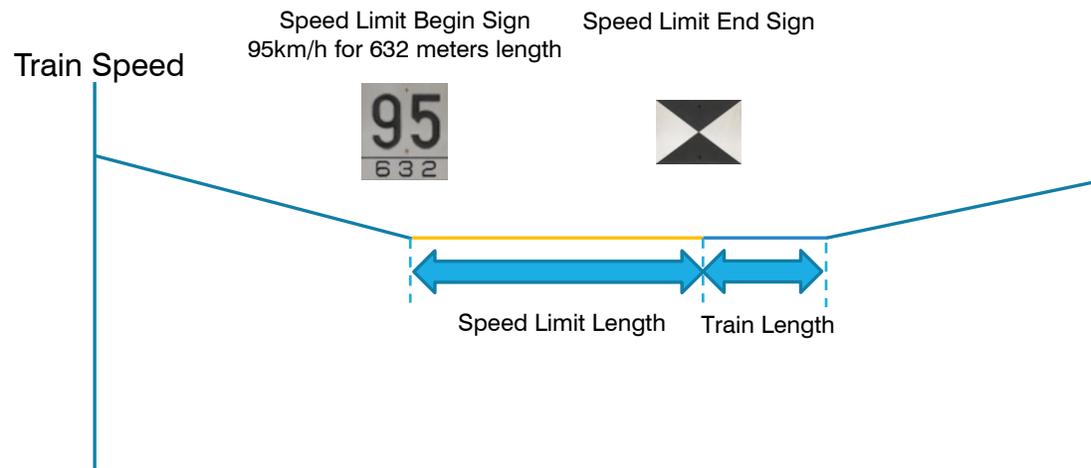
⚠ Speed limits located near stations may not be shown as wayside signs. Check driver's timetable and follow the incoming/outgoing speed limit.

Incoming

Outgoing

Speed Limit Signs (2 of 2)

Additional Information on Wayside Speed Limit Signs

■Some of the speed limit signs are applied for the specific trains.

|	Diversion	With Orange Rectangular Board	With Orange Rectangular Board and Slash Symbol
E217	60 km/h to the left, as indicated by black triangles Other directions : 100km/h	Indicated speed + 5km/h = 65km/h	Indicated speed on the upper board + 5km/h = 70km/h
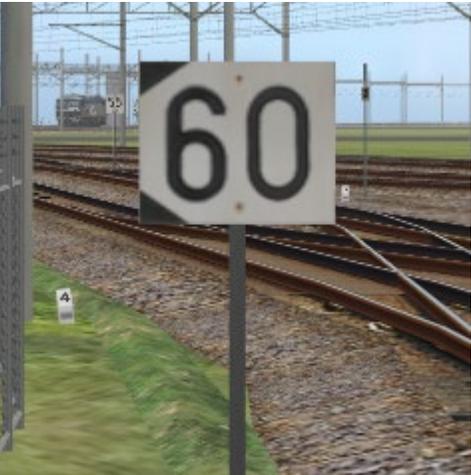
Other Wayside Signs (1 of 2)

Pointing and Calling for Signal	Air Section	Air Section Precaution
Check and call the signal aspect hare.	You must avoid stop here as it may damage overhead wires.	Stop here and wait if your train cannot proceed further than the approaching air section

Acceleration Begin	Acceleration End	Stop Sign
Start acceleration here based on typical operation timetable	Start acceleration here based on typical operation timetable	These sings show stop positions at stations. They vary by number of cars and train types; e.g. 特 = limited express trains only

Pointing and Calling
Should be done at the time of passing through the sign.

Milepost (every 0.1 km)	Curve Post	Gradient Post
Reference point from origin	Reference point of circular curve	Reference point of track gradient
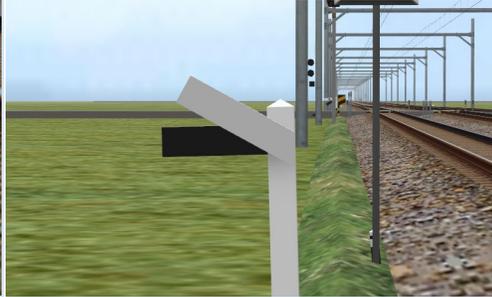
Speed Limit Exit Sign	Emergency Flashing Red Signal	Other Precautions
		Begin End (Tsunami Warning
This sign shows "speed limit end point plus train length" for 15 cars train (see page 14).	This sign flashes red light if there is obstruction, usually associated with level crossing, platform safety equipment or construction site	This shows various high risk track conditions.

「内房線制作チーム」 Staff

- Map
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  - 11P

- Rolling Stock
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  - Coffee & Sleep
  - CT

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- Public Relations
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Inquiries

■Contact

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■You can copy, modify and/or redistribute contents in this "BVE Trainsim Uchibo Line" add-on to develop your own BVE Trainsim add-ons. No extra permission is necessary, but do your at own risk.

■However, please do not use this add-on and its contents for the purpose of reproducing train accidents.

■No support will be provided for your modification.

FAQ

Q. Can I upload the video to video sharing sites (e.g. YouTube)?
A. You can do so at your own risk. You can do so at your own risk (please note that this software does not reproduce an accident.)

Q. Can I use Uchibo Line Add-on (including E217 EMU data) as a reference?
A. Yes, you can, but copying relevant files into your add-on is recommended. This will avoid any conflicts or path reference errors upon our future modifications.

Q. Would I like to print out the staff?
A. A PDF file for printing is available in the documents folder (Scenarios¥Uchibo20¥documents).

Enjoy!

内房線制作チーム一同(Uchibo Line Product Team)