



HALLING MODELLE

Straßenbahn - Eisenbahn - Schmalspurbahn - Antriebe

Manchester M5000 Information



The **M5000 from Alstom** (formerly Bombardier) is a light rail vehicle. It belongs to the Flexity Swift series, which was specially built as a high-floor articulated streetcar for exclusive use on the Metrolink system in Manchester, England. It is a great honor for the small Viennese model railroad manufacturer HALLING Modelle to be able to realize this very successful prototype in a model!

The first of a total of 147 M5000 vehicles with the number 3001 were delivered back in 2009. On this memorable occasion, the model of the M5000 was produced by HALLING Modelle for the first time. The last light rail vehicle with the number 3147 was delivered in 2022 and, fittingly, the second and probably last edition of this exemplary model is now being released in a timely manner

The M5000 was designed on the basis of the K5000 construction used in the German cities of Cologne and Bonn and adapted to the special needs of the Metrolink lines. Each vehicle is 28.4 m (93 ft) long and has three bogies, the outer two of which are powered, while the middle bogie is unpowered and carries the articulated bridge. They complement the existing T-68/T-68A fleet and increase capacity on the Bury-Altrincham line, which was suffering from overcrowding.

The models of the Manchester M5000 from HALLING Modelle are hardly inferior to the large prototype in terms of ride comfort and technical equipment. They feature a detailed roof and interior design with exemplary seating. The elaborate printing of the models was carried out at the customer's request using high-quality and labor-intensive tampon printing technology. The model can be individualized using the number and destination plate decals supplied.

The powered models are equipped with an **NEM652 interface**. We recommend the MX600R from ZIMO for **digitalization**, but any commercially available NEM652-compatible decoder is suitable. The pin with the orange wire must be in the position shown. The decoder itself should then be attached to the ceiling in the carriage body using double-sided adhesive tape. If the model is converted back to analog operation with a dummy plug, the plug must be fitted so that the missing pin is positioned at the point marked in red.

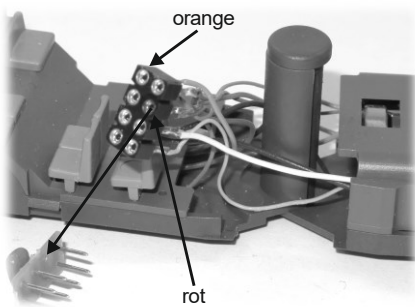


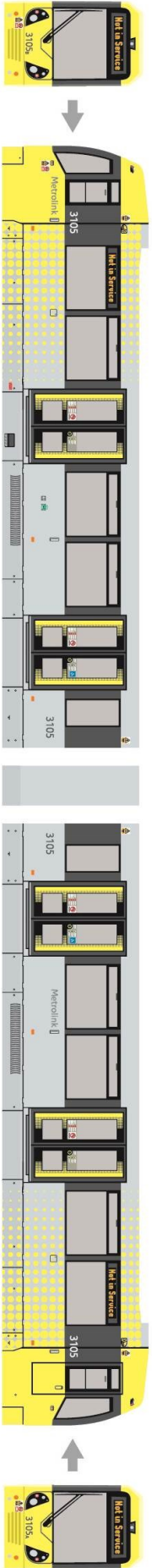
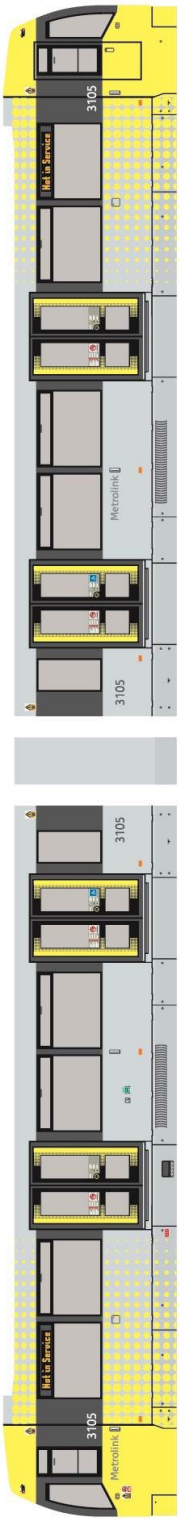
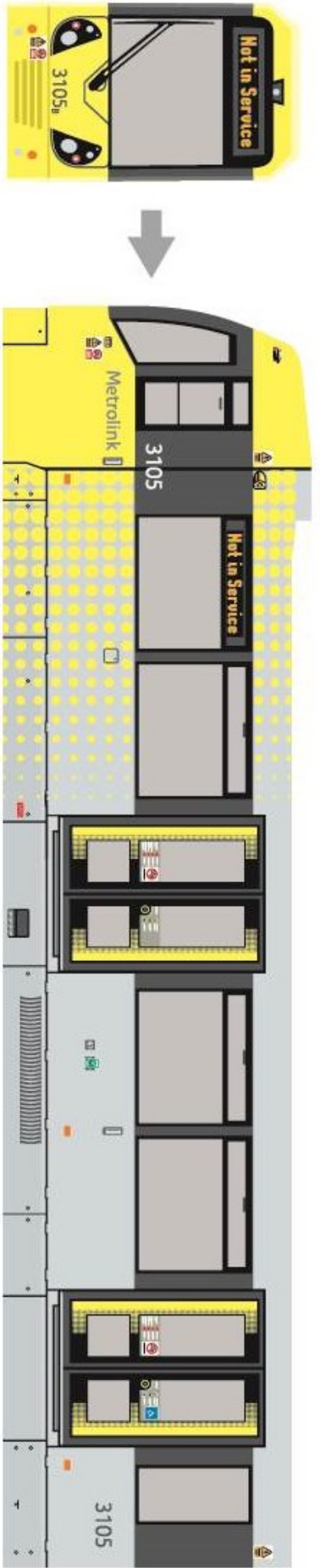
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Inside Decals

All models are supplied with a small set of accessories and decals. Please refer to the enclosed pictures for the correct position of the accessories. To **open the models**, the car bodies are removed from the chassis. The bodies and seat plates are only plugged in.

The destination signs (**inside decals**) are cut out and attached to the front of the target sign box from the inside. You can find detailed instructions for fitting decals at: <https://www.halling.at/documents//Tutorial---UV-Decals.pdf>

3120	3120	3120	3120	3083	3083	3083	3083	3030	3030	3030	3030
3120 _b	3120 _b	3120 _a	3120 _a	3083 _b	3083 _b	3083 _a	3083 _a	3030 _b	3030 _b	3030 _a	3030 _a
3115	3115	3115	3115	3069	3069	3069	3069	3014	3014	3014	3014
3115 _b	3115 _b	3115 _a	3115 _a	3069 _b	3069 _b	3069 _a	3069 _a	3014 _b	3014 _b	3014 _a	3014 _a
3112	3112	3112	3112	3058	3058	3058	3058				
3112 _b	3112 _b	3112 _a	3112 _a	3058 _b	3058 _b	3058 _a	3058 _a				
3105	3105	3105	3105	3046	3046	3046	3046				
3105 _b	3105 _b	3105 _a	3105 _a	3046 _b	3046 _b	3046 _a	3046 _a				
								KK5-MAN			

Outside Decals

The number and destination plates are positioned in the display boxes from the inside. After drying, the car bodies can simply be replaced. Ensure that the modules are positioned correctly.

A very comprehensive set of **number decals (outside decals)** enables the models to be used correctly in multi-train or traction operation. With the help of the enclosed wagon numbers, the neutrally designed models can be equipped with different wagon numbers.

The door pictograms are used for the earlier design of the models supplied in the current design. Please refer to the attached photos for the correct positions.

The two small roof accessories cannot be fitted before the models are transported, otherwise the filigree replicas of train radio antennas may be damaged. The attachment parts are fixed to both modules with a little superglue.

Made in Austria!

Achtung! Verkleinertes Modell für erwachsene Sammler von mindestens 14 Jahren. Kein Spielzeug. Außer Reichweite von KINDERN aufbewahren! Attention! Scale model for adult collectors, of at least 14 years of age. Not a toy. Keep out of reach of CHILDREN! Danger! Modèle réduit pour les collectionneurs adultes, d'au moins 14 ans. Ceci n'est pas un jouet. Tenir hors de portée des ENFANTS! Attention ! Risque de blessures en cas de mauvaise manipulation. Méfiez-vous des arêtes vives ! Attenzione! Pericolo di lesioni, se gestita in modo improprio. Attenzione ai bordi taglienti! Questo modello non è un giocattolo! Attenzione! Questa lista dei modelli non è un giocattolo! Pericolo di lesioni, se gestita in modo improprio. Attenzione ai bordi taglienti! Alla fine della sua vita rnutile riciclare questo prodotto in un punto di raccolta per apparecchiature elettroniche. ¡Atención! Esta lista de modelos NO ES UN JUGUETE! Peligro de lesiones si se maneja de manera inadecuada. Tenga cuidado con los bordes afilados! Al final de su vida útil reciclar este producto a un punto de recogida para equipos electrónicos. Pozor! Tento seznam modelu není hračka! Nebezpečí zranění při nesprávném zacházení. Dejte si pozor na ostré hrany! Na konci své životnosti recyklovat tento výrobek na sběrném místě pro elektronické zařízení.



Garantie und Service:

Leopold Halling GesmbH., A-1230 Wien, Leopoldigasse 15-17 +43 1 604 31 22, office@halling.at, www.halling.at

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