



Mobile Printing Solutions in A6 & A7

The portable, compact and lightweight MPrint mobile Bluetooth printers are perfect for printing on the go and can be easily carried "on person"

- Direct thermal print head offers a rugged printing solution
- Easy to change paper cassette
- Bluetooth and USB ports for maximum connectivity options
- Support for Blackberry®, Windows Mobile® and Windows® 2000/XP/Vista
- User replaceable Lithium-Ion rechargeable battery



Efficiency through mobile printing

Mobile technology is one of the most significant developments of recent years, and many innovative organisations are harnessing the benefits of technology to optimise workflow, cut costs, and give their customers the service they expect. The Brother MPrint is an integral part of this process for many global companies. With a compact Brother MPrint in the palm of your hand, the printing and sharing of information is quick, convenient and above all, instant. Starting at a thickness of just 17.5 mm including the rechargeable lithium-ion battery and paper cassette, the Brother mobile printer range is ultra-compact and designed for true portability, whatever the application or wherever the situation.

Improve your productivity with A7 & A6 paper sizes

Integrated wireless Bluetooth technology allows printing directly from a mobile device or PC without the need for cumbersome cables or the inconvenience of infra-red ports. This wireless freedom gives you many ways of using the printer, such as inside your jacket pocket or attached to your belt. The MW-145BT is the smaller of the two printers, producing A7 size prints, making it ideal for handheld use. Where more text needs to be printed, the MW-260 prints on A6 size paper.



The MPrint range of mobile printers is stylish yet functional



Small and compact enough to comfortably fit in the hand

A compact and lightweight printing solution



MPrint offers the convenience of portable printing on demand, wherever you work



The paper cassette stores up to 50 sheets of pre-cut paper for a professional print-out every time

A total mobile printing solution

A printer is not a solution on its own, it requires the correct hardware and software, working seamlessly together to create a total solution. This is why the Brother MPprint has been chosen by many companies and organisations and incorporated into many different solutions across the globe. Brother has various software development kits available for the different mobile hardware in the market (such as Blackberry®, Windows Mobile® and Windows® 2000/XP/Vista). The hardware also boasts many advanced functions, including built-in fonts and barcode generation, and the ability to upload a bitmap image to the printer's memory to include on printed sheets (reducing the time needed for data transmission).

Some example applications include:

Commercial Services: After surveying and measuring for window blinds, the surveyor leaves a print-out with the customer detailing the order.

Logistics: Once delivery of new vehicles is complete, a receipt is printed.

Maintenance: A service engineer leaves a record of maintenance performed on commercial air-conditioning systems.

Medical/Healthcare: Doctors and nurses who require patient details to be printed when making home visits.

Public Sector: Due to its compact size, police officers wear the MPprint on their jackets. If someone is stopped and questioned, their details are logged and a record of the incident is printed and handed to the individual.

Retail: After an "on the road" salesperson has completed an order, a receipt is left with the customer showing details and value of the order.

Transportation: If a passenger does not pay the correct fare for their journey, the details are logged and a print-out is made detailing the fine.



"The Brother MPrint has been chosen for its reliability, remarkably small size, its highly autonomous operation and print quality. This combination of performance and functionality perfectly matched the schedule of conditions of SNCF."

Laurence Lefrancq
Accelio Project Manager
SNCF

The Brother MPrint increases efficiency through printing on demand



The MPrint can easily be incorporated into a custom made carrying case

SNCF French Railways

As part of the Accelio project, the French railway company SNCF chose to equip its 10,000 ticket inspectors with the Brother MPrint MW-140BT*. Working in conjunction with the Workabout Pro from Psion Teklogix, the MPrint mobile printer is able to communicate with the PDA using wireless Bluetooth. Both the PDA and printer fit perfectly in a specially designed shoulder bag, allowing the ticket inspectors to print price adjustment receipts, offer useful route and pricing information to the passengers, and issue on the spot written fines for non-payment of fares.

Brother also offered the advantage of pre-printing terms and conditions onto the back of each sheet of paper. Both the PDA and the MPrint batteries are charged at the same time by using a specially designed charger, equipped with two outputs. Mobility innovation is very important, and the SNCF Accelio project meets many key strategic aims:

- Improve efficiency and offer greater flexibility to help reduce fraud.
- Thanks to a complete database of all SNCF timetables and routes contained in the PDA, questions raised by travellers can be answered and printed immediately.
- Information given to the public by the ticket inspectors is both faster and more reliable, ensuring the commercial relationship with travellers is much improved.

SNCF - the solution

Customer: SNCF, the French national railway company

Challenge: To make the printing of tickets, information and fines to non fare-paying passengers as efficient as possible

Solution: Each ticket inspector has been issued with a Windows Mobile® PDA and MW-140BT* mobile printer to offer immediate printing of fines and information.

Benefit: Having the capability to print various pieces of information on-demand offers improved efficiency and customer satisfaction

Conclusion: The MW-140BT* offered SNCF the perfect mobile printing solution as part of a larger project.

* MW-140BT was the predecessor model to the MW-145BT



"Combining PDA's and Brother's mobile print solution has been an extremely worthwhile exercise."

Chris Nomnik

Business Systems and Development Manager
Transport for London Buses



Penalty fare notices can now be issued on-the-spot due to the MPrint's compact size

Printing “on-demand” reduces administration costs in the back-end systems

Transport for London Buses

Transport for London (TFL) is the governing body for all bus companies running routes across the city. A team of 300 Revenue Protection Inspectors (RPI's) issue penalty fare notices for the non-payment of fares. The inspectors issue around 60,000 penalty tickets a year, which had to be written out by hand straight onto a pad. This was a time-consuming task, with a team of people working behind the scenes to keep the information up-to-date.

A system was put together to create an electronic penalty fare form on the PDA's for issuing the standard £20 fine. Penalty fare notices could then be input directly and sent back to the office as an electronic file, using real time GPRS wireless communications. By coupling a mobile printer with the PDAs, a copy of the notice could be printed on the spot and handed to the passenger. After field trials of various combinations of PDAs and mobile printing devices, the XDA II PDA and Brother MPrint MW-140BT* mobile printer were chosen.

Says Chris Nommik, Business Systems and Development Manager at TFL, "We chose the MW-140BT* because it offers Bluetooth, so inspectors can wear the printer on a holster on their hip and print from there while holding the PDA in their hands. In addition, we use pre-printed A7 paper and have found that it is easy to load paper into the machine. The MW-140BT* has a good battery life. Inspectors will tend to charge the battery overnight but if they forget, we've found that it lasts for at least 18 hours – and that's more than enough for two shifts."

Within the first two months of use, 10,000 notices were successfully processed and printed. Chris Nommik added: "Because we don't have to input penalty notices manually anymore, the time saving at the 'back end' has been phenomenal. Combining PDAs and Brother's MW-140BT* has been an extremely worthwhile exercise."

Transport for London Buses - the solution

Customer: Transport For London Buses Revenue Protection

Challenge: To produce penalty fare notices electronically and issue a printed penalty notice

Solution: Brother's Mprint MW-140BT* mobile printer coupled with an XDA II PDA

Benefit: Due to its compact size, the MW-140BT* can easily be worn and used on the move, Bluetooth wireless communication gives total freedom

Conclusion: The MW-140BT* is lightweight, easy-to-use and reliable

* MW-140BT was the predecessor model to the MW-145BT



British Transport Police

"Officers on the London Underground are successfully using Brother's handheld mobile printer, MW-140BT*, in conjunction with the O2 XDA II PDA and Northgate software solution, in order to print receipts as part of the stop-and-search process.

Results from officers so far show reduction in time spent completing paperwork by up to an hour a day. Brother worked closely with all partners and developed extra security measures, including a software upgrade, to offer an eight digit alpha-numeric password between the PDA and Brother MW-140BT**"

Andrew Watson
Chief Information Officer
British Transport Police



Walon UK required a printing solution suitable for in-vehicle use



A customised case and charging solution was developed for the MPrint

Walon UK Vehicle Logistics

Walon is the leading supplier of finished vehicle logistics services to the UK automotive industry, and in the last few years has been trying to move away from the traditional handwritten, paper-based system to record proof-of-delivery to customers.

When cars are delivered to dealers, they now sign for them on an Xda PDA screen, instead of on the traditional three-part proof of delivery paper document. However, many customers still like to have a printed confirmation of their receipt, so a mobile printing solution was needed to allow this. Brother recommended the MPrint MW-140BT* for use in conjunction with the Xda PDA's. Compact and lightweight, the Brother machines offer the perfect 'on-the-road' solution for Walon's fleet of drivers. During the course of a two-year partnership with Brother, Walon has customized the MPrint solution to its own needs – devising a protective case and an in-vehicle carrying case for the product. In addition, an in-truck cradle has been developed to keep the device charged and connected to the O2 network.

"With the MPrint, drivers can now give customers the receipt they want with the minimum of hassle – while still retaining the convenience of the PDA solution. We are now considering expanding use of the MPrint into our car inspections when collecting used cars.

This is where we check the vehicles' condition before returning them to a technical centre for refurbishment. We think the MPrint would be ideal for recording what has been done in the inspection process – replacing the current paper-based system."

* MW-140BT was the predecessor model to the MW-145BT



Maintenance Solution - Hitachi Consumer Marketing Inc, Japan

Hitachi Consumer Marketing sell electronic home appliances and also provide maintenance service for these. The Divisional Head of Consumer Marketing, Mr Toyota explained that the previous mobile terminal printer their engineers used, was both bulky and heavy, so a new solution was developed using the Brother MPrint.

"It has always been our goal to improve Customer Satisfaction. Therefore, upon restructuring our in-house infrastructure we focused on making the 'Maintenance/Repair Request' and 'Maintenance/Repair Report' real-time to bring our system up to par. We also reviewed our existing mobile system consisting of a PDA and A6 printer [from another manufacturer] that tended to burden the servicing personnel, and often resulted in user dissatisfaction of being heavy, bulky and with a short battery-life".

"As a result, we discussed the choice between PDA or mobile phone for the mobile terminal, and several printer models, to pinpoint the ideal mobile printer for the system. After a thorough review we finally decided upon the MPrint, since it would allow printing directly from the mobile phone, featured good battery life and was extremely portable. Another good characteristic is the cut paper system it uses. This was an advantage since paper from paper rolls tended to curl and therefore, was inconvenient when the customer signed the printouts". "By implementing this system, we not only alleviated the burden on the servicing personnel, but also improved our customer service quality, as well".

Mr Toyota

Divisional Head

Hitachi Consumer Marketing Inc

Consumables & Accessories

All our MPrint range of mobile printers use a unique paper cassette system. This makes changing and loading the paper quick and easy. Various different types of paper cassettes are available in A7 or A6 sizes, such as standard and fade-resistant paper and a unique 2-ply carbon copy paper – ideal for receipt printing, and keeping copies of signatures.



A7	Thermal Paper (50 Sheets)	2-ply Paper (30 Sheets)
Standard	C11	-
Fade-resistant	C12	-
Carbon Copy	-	C51
A6	Thermal Paper (50 Sheets)	2-ply Paper (30 Sheets)
Standard	C211	-
Fade-resistant	C212	-
Carbon Copy	-	C251

Various Brother accessories are available to complement your mobile printer and enhance its usability. From printer cases and associated paper guide (to allow printing directly within the case) to rechargeable batteries, each one has been custom designed for each model of MPrint.



	Printer Case	Paper Guide	Printer Stand for Desktop & Laptop Screen	Rechargeable Battery
MW-145BT	PCS-100	PG-100	SD-100	BT-100
MW-260	-	PG-200	-	BT-200

Printer specifications



	MW-145BT	MW-260
	A7	A6

General

Printing method	Direct thermal, line head	Direct thermal, line head
Printing speed	15 seconds/page*	20 seconds/page*
Printing resolution	300 x 300dpi	300 x 300dpi
Paper feed method	Brother paper cassette with automatic feed	Brother paper cassette with automatic feed
Paper size	74mm x 105mm	105mm x 148mm
Maximum printable area	69mm x 100mm	97.5mm x 140.6mm
Interfaces	Bluetooth Ver.2.1+EDR Class 2 USB 2.0 Full Speed	Bluetooth Ver.1.1 Class 2 SPP USB 2.0 Full Speed IrDA Ver.1.3
External dimensions (WxDxH)	100mm x 163mm x 17.5mm (including 3mm antenna)	130mm x 210mm x 18.5mm
Weight	Maximum 300g (including paper cassette and battery)	Maximum 520g (including paper cassette and battery)
Battery technology	Lithium Ion rechargeable	Lithium Ion rechargeable
AC adapter	Auto switching (100-240V)	Auto switching (100-240V)
Number of printable pages	100 or more during continuous printing with a fully charged battery*	50 or more during continuous printing with a fully charged battery*
Energy-saving options	Power-off (5 minutes) Bluetooth sleep mode (3 minutes)	Power-off (5 minutes) Bluetooth sleep mode (3 minutes)

Firmware

Printer Commands	Brother Original ESC/P (Enhanced MPrint Command Set)	Brother Original ESC/P (Enhanced MPrint Command Set)
Upload to printer memory	Images / Print Templates	Images / Print Templates
Built-in Fonts	5 x Bitmap (24, 32, 48 dot size) 3 x Outline	5 x Bitmap (24,32,48 dot size) 3 x Outline
Built-in Barcodes	8 x 1D Barcodes & 3 x 2D Barcodes	8 x 1D Barcodes & 3 x 2D Barcodes

Software

Windows 2000/XP/ Vista printer driver	Yes	Yes
Software Development Kit **	Windows Mobile® 5.0 / 6.x Windows® 2000 Professional Windows XP® Windows Vista® Blackberry®	Windows Mobile® 5.0 / 6.x Windows® 2000 Professional Windows XP® Windows Vista® Blackberry®

* Based on 7% coverage area using C11 / C211 paper at 25°C. ** Check latest software support with your local Brother office

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