Mobile Touch Transaction (MTT™) –

Active Poster™ (AP-BX-GX)

User Manual

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Revision History

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1.0	11-May-2011			Initial Version	Venkateswarulu		Kishor Narkhede

Table of Contents

1   Introduction

XIUS Active Poster™ (APBx) is a ready to use anywhere, anytime Mobile e-commerce product which enables Transaction applications such as Pre-paid Recharge Top Up, Mobile Bill Payment, VAS applications etc.

Designed to work with a network-agonistic Sticky also termed as RFID Tag, Mobile Touch Transaction is compliant with international industry standards in multiple verticals - GSM, Mifare ISO 14443.

APBx System comprise of Integrated MCU Module, NFC Module, Touch Board, and Universal Power supply adapter.

Integrated MCU Module is assembled with On board Semiconductor Devices, Interface Connectors and Plugged-in modules. On board Semiconductor Devices includes Micro Controller, EEPROM, SPI Flash, and DC-DC Switching Regulators. Interface Connectors are for SIM, Micro SD, Graphical LCD and External Interface Connectors includes NFC module and Touch Board. Plugged-in modules are Quad band GSM modem, Graphical LCD and Lithium-Ion Battery.

Quad band GSM/GPRS wireless modem is a versatile, highly integrated module with RF Front end, Analog and Digital Baseband Processors, used for various mobile applications supports Voice, SMS, and data Service functions.

Near Field Communication (NFC) module is a highly integrated transmission module with micro-controller for contact-less communication. The transmission module utilizes an outstanding modulation and demodulation concept completely integrated for various passive contacts-less communication methods and protocols.

Touch Board is comprised with a capacitive touch controller enables streamlining of the human-machine interface through touch buttons, touch-based inputs to replace a wide variety of mechanical input types.

Graphical LCD (Liquid Crystal Display) is a thin, flat electronic visual display that uses the light modulating properties of the liquid crystal (LCs).

Lithium-Ion Battery (sometimes called Li-ion battery or LIB) is a family of rechargeable battery types in which lithium ions move from the negative electrode to the positive electrode during discharge, and back when charging.

2   Installation of Accessories and Active Poster

This section briefs about installation of accessories and Active Poster

2.1   List of Accessories

1. Active Poster Unit – 1 NO
2. Universal Power Supply Adapter Input:100-240VACt & Output:5VDC/3A – 1 NO
3. Rechargeable Battery 3.7V 1800mAH Lithium Polymer- 1 NO
4. Dealer login RFID sticki – 1 NO
5. User Manual – 1 NO

2.2   Installation of Active Poster

XIUS Active Poster (APBx) is a wall mounted Mobile e- commerce product,

1. Installation of SIM: Insert the SIM card inside the SIM Socket.
2. Installation of Li-ion Battery: Connect the Battery supply and ground wires to Designated Connector as per polarity.

Plug-in universal Power supply adapter for battery charging at designated place, push the toggle switch to 'ON' position to power-on the Active Poster as shown in Figure.

Caution: a). The socket-out of universal power supply adapter shall be installed near the equipment and shall be easily accessible

b). Max. Condition Operation Temperature: 50°C

3   Operations of Active Poster

This section provides the information on the important operations of Active Poster.
Active Poster operational procedure comprises of RFID Sticky enabled Mobile Tap Process and Key Touch Process.

1. **Mobile Tap Process:** After AP Switch on user/mobile subscriber has to tap Sticky enabled mobile.
2. **Key Touch Process:** The user/mobile subscriber has to touch the keys on the Active Poster.

Whenever Active Poster unit is Power ON with test Software, Then Active Poster LCD Screen messages will guide for complete operation.

Active Poster Physical Characteristics are as follows:

Dimensions	48 X 33 X 4 cm
Weight	1500 g
Housing	Thermo plastic (ABS and Poly carbonate)

Active Poster Electrical Specifications are as follows:

Power Supply	Adapter 5V /3A output, Universal input 100-240V 50 / 60 Hz, 3 m length
Battery	3.7V 1800mAH Lithium Polymer Rechargeable
Product Code	AP-BX-XX

	XX : CX- CDMA
	      EX- EDGE
	      GX- GSM

4 Safety and Regulatory Compliance for Active Poster

This section briefs about important safety and regulatory compliance for Active Poster.

> ⚠ Read all safety information below and operating instructions before using Active Poster to avoid injury

Keep the Active Poster User Manual for your Active Poster handy for future references.

4.1 Safety Information

This section briefs about important safety information for Active Poster.

> **WARNING:** Failure to follow these safety instructions could result in fire, electric, shock or other injury or damage.

1. **Handling Active Poster:** Do not bend, drop, crush, puncture incinerate or open Active Poster
2. **Avoiding water and wet locations:** Do not use Active Poster in rain, or near washbasins or other wet locations. Take care not to spill any food or liquid into Active Poster. In case Active Poster gets wet, unplug all cables, turn Active Poster off. and allow it to dry thoroughly before turning it on again.
3. **Repairing Active Poster:** Never attempt to repair Active Poster yourself. Active Poster does not contain any user-serviceable parts. For service information, visit

http://www.xius.com/apsupport/support.html or call XIUS customer care at +1 781 904 5050. The rechargeable battery in Active Poster should be replaced only by an XIUS Authorized Service Provider.

4.2   Regulatory Compliance Information

1.   FCC / CE Compliance Statement

This device complies with part 15C, 22H and 24E of the FCC rules and CE applicable standard tests (EN301511, EN55022, EN61000-4-3 etc), Operation is subject to the following two conditions:

a.   This device may not cause harmful interference

b.   This device must accept any interference received, including interference that may cause undesired operations. See instructions if interference to radio or TV reception is suspected.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

2.   Interference from adjacent electronics products.

This Active Poster product generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly – that is, in strict accordance with XIUS's instructions – it may cause interference with radio and TV reception.

This Product has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC and CE applicable standard tests (EN301511, EN55022, EN61000-4-3 etc). These specifications are designed to provide reasonable protection against such interference in a commercial installation. However, there is no guarantee that interference will not occur in a particular installation.

If necessary, consult an XIUS Authorized Service Provider or XIUS. See the service and support information that come with your XIUS product. Or, consult an experience radio/TV technician for additional suggestions

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of d=20 cm between the device and the human body. To maintain compliance with RF exposure requirement, use product that maintain a 20cm distance between the device and human body.

Important: Changes or modifications to this product not authorized by XIUS could void the EMC compliance and negate your authority to operate the product.
This product was tested for EMC compliance under conditions that included the use of XIUS peripheral devices and XIUS cables and connectors between system components.
It is important that you use XIUS peripheral devices and cables and connectors between system components to reduce the possibility of causing interference to radios, TV sets, and other electronic devices

3. Battery Replacement
The rechargeable battery in Active Poster should be replaced only by an authorized service provider.
For battery replacement services go to: http://www.xius.com/apsupport/support.html .

4. Disposal and Recycling Information
Your Active Poster must be disposed of properly according to local laws and regulations. Because this product contains a battery, the product must be disposed of separately from household waste. When your Active Poster reaches its end of life, contact XIUS or your local authorities to learn about recycling options.