

MT50-20 MA-DT

'DRILLERS TALK BACK' EXECUTION



DS-206 Issue 02

MT50-20 MA-DT

Hands-free operation

Explosion-proof shout-back subscriber stations

*200Watt drill floor paging drives
up to 8 projector horns*

Flashing beacon control for noisy areas

Thank you for your interest in Ziztel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries. Our products are robust and designed to comply with international standards. The MT50-20 MA (with drilling talk back execution) enables secure voice communications between strategic locations on board the rig. Interfaces allow a fully integrated internal communications solution which can also include TETRA and the rig PAGA system.

Please do not hesitate to contact us for further information.

The Ziztel MT50-20 Marine talk back package is fully configurable by PC and in this application the unit forms the core of an efficient two way voice communications system for use on a drilling rig.

The base MT50-20 MA - DT supports up to twenty subscriber stations (expandable) operating with two MT50-20CP operator panels and can be supplied in a choice of three enclosure types:-

Bulk head wall mounting - safe area -DT

Bulk head wall mounting - hazardous area Zone 1 -DT-EX

19inch rack mounting – safe area – DT-R

The design eliminates complex call plans, menu driven controls and subscriber key pads, in favour of point to point hands free communications with the emphasis on simplicity of operation, robust construction, low cost installation and minimal maintenance.

Subscriber positions can be assigned shout back loudspeaker / microphones or for high noise areas special noise cancelling microphone transducers.

The MT50-20 MA-DT is totally non-blocking and can support simultaneous call-ins from all subscribers which are stored to be addressed by the master operator in any order of precedence. Intercom is included to allow private communications between master positions and a hot line open channel link can be established between critical subscriber station(s) and master (example Monkey Board position and Driller).



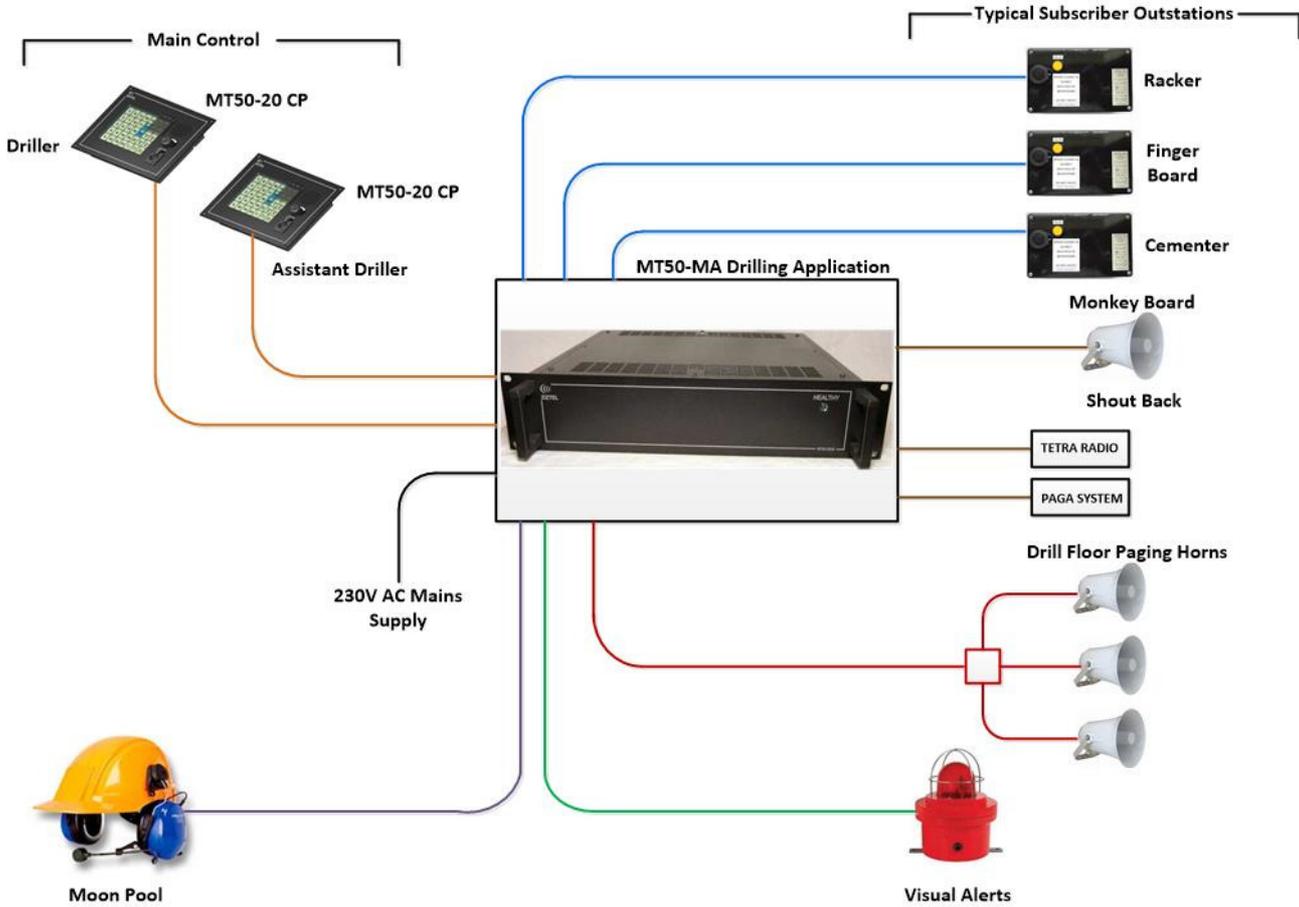
ZIZTEL LIMITED

email: sales@ziztel.com web: www.ziztel.com tel: +44 (0) 115 9202888
mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

A powerful 200Watt amplifier is included to provide public address paging to the drill floor via a network of explosion-proof projector horns with a further 150Watt amplifier assigned to drive horns in other rig talk-back areas (example: cementer, sack store, racking board, switch rooms, etc...).

The MT50-20 package can be interfaced to Tetra radio and the rig PAGA system if required to realise a fully integrated internal communications system. The following block diagram shows MA-DT in R-type safe area rack mounted execution.



Technical Specification

Mains Supply	24Vdc or 90Vac - 254Vac, 50/60Hz
Consumption Maximum	400Watts
Tolerance Operating Voltage	+/- 20%
Talkback Stations / Masters	Up to 20 subscribers (expandable); Up to 2 masters (expandable)
Paging Zones	Up to 4
Alarm Tones	BOP alarm
Pre-announcement gong	800Hz/400Hz: tone set
Configuration	Pre-configured (with file download possibility for client specific cause and effects)
Dimensions	300mm x 200mm x 100mm
Enclosure	Bulk head ABS rotproof plastic DT; 2U 19inch rack mount R-type
Weight	12kg
Temperature Range	-20°C to +50°C
Location	Central switch Safe area internal/sheltered or ATEX Zone 1 to specification

ZIZTEL LIMITED

email: sales@ziztel.com web: www.ziztel.com tel: +44 (0) 115 9202888
 mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.