

# ENHANCED BUSINESS LICENCE-FREE ANALOGUE TWO-WAY RADIOS

## AP515LF and AP525LF

COMPACT, RELIABLE AND READY TO USE STRAIGHT OUT THE BOX



AP525LF



AP515LF

The AP515LF/AP525LF Licence-Free Business Radio is the perfect choice for instant communication. With a 3W speaker, the compact and light AP515LF/AP525LF can deliver loud and clear audio that allows you to hear and be heard in background noise. It has an incredibly long 25-hour battery life in its most minimal form. The Type-C USB charge plug allows users to charge the radio with a power bank anywhere. With the extended range and a bunch of productivity and efficiency enhancing features, the AP515LF/AP525LF will ensure you stay connected and productive. The AP525LF has a higher ingress protection (IP66) than the AP515LF (with IP54) and it has a yellow-orange housing to indicate this.





## HEAR AND BE HEARD ANYWHERE

You might lose key information due to the unclear audio mixed with heavy background noise, or spend much extra time delivering your information to your partners. The AP515LF/AP525LF has a 3W speaker and advanced noise cancellation algorithm to eliminate unwanted background noise, reduce distortion, and suppress howling caused by other devices when in close proximity of each other, delivering louder and clearer audio. The background noise will no longer slow down your communication, and you can hear and be heard wherever you are.



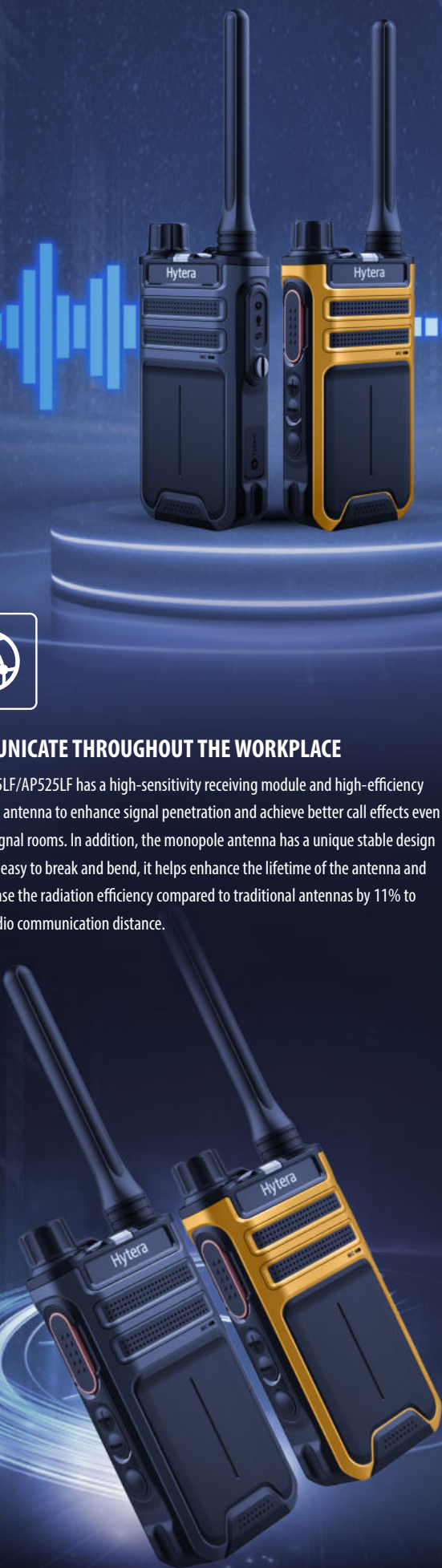
## COMMUNICATE THROUGHOUT THE WORKPLACE

The AP515LF/AP525LF has a high-sensitivity receiving module and high-efficiency monopole antenna to enhance signal penetration and achieve better call effects even in weak signal rooms. In addition, the monopole antenna has a unique stable design and is not easy to break and bend, it helps enhance the lifetime of the antenna and also increase the radiation efficiency compared to traditional antennas by 11% to extend radio communication distance.



## DO MORE WHILE CARRYING LESS

With a 4000mAh Li-polymer battery, plus the low consumption design, the AP515LF/AP525LF has an incredibly long 25-hour battery life in its most minimal form to supply your increasing need, without compromising in style or performance. With the 10W USB Type C Charger, the radio can be fully charged in just 1.8 hours. With just 1 hours' worth of charge the analogue device is able to allow 8 hours of talk time. The long life battery also helps your teams power through extended shifts. So you can do more, while carrying less.





## WORK SMARTLY AND EFFECTIVELY

The AP515LF/AP525LF is coupled with a package of features to make it easy to get your work done. Voice notification confirms the operation for programming buttons or changing the channel.



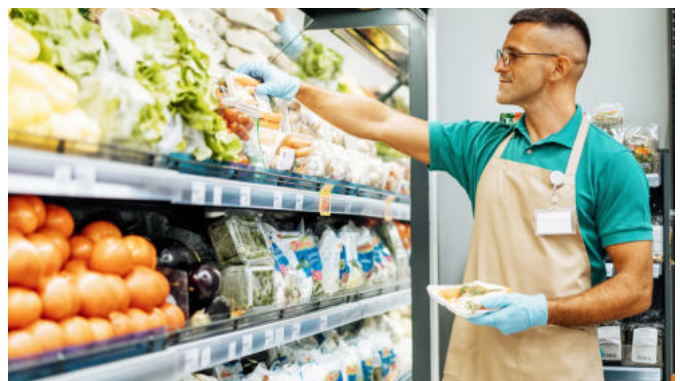
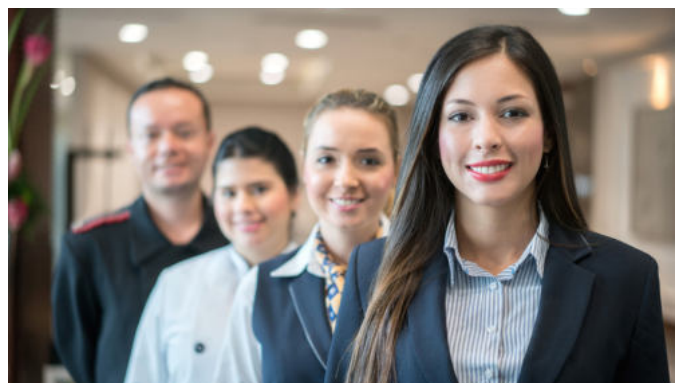
## TRUSTWORTHY QUALITY

Hytera has one of the world's largest professional communication production lines. Each device is manufactured in accordance with strict supplier management system certification, each component meets the quality control requirements to ensure the consistency of product quality.

## KEY FEATURES

- 32 channels
- Auto scan
- Vote scan
- Squelch
- Clear audio
- CTCSS/CDCSS
- Timeout timer
- Voice notification
- Type-C USB charge plug

## TARGETED INDUSTRIES



# SPECIFICATIONS

| General  | AP515LF/AP525LF Licence-Free Analogue Radios |
|--|--|
| Frequency Range                                    | 446.0 to 446.2 MHz                           |
| Channel Capacity                                   | 32   |
| Zone Capacity                                      | 2  |
| Zone Channel                                       | 16   |
| Channel Spacing                                    | 12.5kHz                                      |
| Operating Voltage                                  | 3.7V (rated)                                 |
| Battery  | 4000mAh 3.7V                                 |
| Battery Life<br>(5/5/90 Duty Cycle, High TX Power) | 25h  |
| Frequency Stability                                | ±0.5ppm                                      |
| Antenna Impedance                                  | 50Ω  |
| Dimensions (H x W x D)                             | 105 x 55 x 29.5mm                            |
| Weight (with antenna&battery)                      | 200g   |

| Receiver                     |   |
|------------------------------|---|
| Sensitivity                  | 0.18μV (12dB SINAD)                         |
| Adjacent Channel Selectivity | TIA-603: 60dB@12.5kHz<br>ETSI: 60dB@12.5kHz |
| Intermodulation              | TIA-603: 70dB@12.5kHz<br>ETSI: 65dB@12.5kHz |
| Spurious Response Rejection  | TIA-603: 70dB@12.5kHz<br>ETSI: 70dB@12.5kHz |
| Blocking                     | TIA-603: 80dB; ETSI: 84dB                   |
| Hum and Noise                | 40dB@12.5kHz                                |
| Rated Audio Power Output     | 0.5W  |
| Rated Audio Distortion       | ≤3%   |
| Audio Response               | +1~-3dB                                     |
| Conducted Spurious Emission  | <-57dBm                                     |

| Transmitter                 |                              |
|-----------------------------|------------------------------|
| RF Power Output             | 0.5W                         |
| FM Modulation               | 11K0F3E@12.5kHz              |
| Conducted/Radiated Emission | -36dBm < 1GHz; -30dBm > 1GHz |
| Modulation Limiting         | ± 2.5kHz@12.kHz              |
| FM Hum and Noise            | 40dB@12.5kHz                 |
| Adjacent Channel Power      | 60dB@12.5kHz                 |
| Audio Response              | +1 to -3dB                   |
| Audio Distortion            | ≤3%                          |

| Environmental            |  |
|--------------------------|--|
| Operating Temperature    | -30°C* to +60°C  |
| Storage Temperature      | -40°C to +85°C   |
| ESD                      | IEC 61000-4-2 (Level 4)<br>±8kV (contact); ±15kV (air) |
| Dust and Water Intrusion | IECS29 IP54 (AP515LF) and IP66 (AP525LF)               |
| Humidity                 | MIL-STD-810 G  |
| Shock and Vibration      | MIL-STD-810 G  |

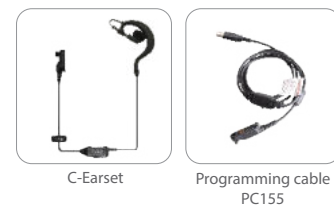
\*Radio only - Battery -20°C

## ACCESSORIES

### STANDARD ACCESSORIES:



### OPTIONAL ACCESSORIES:





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